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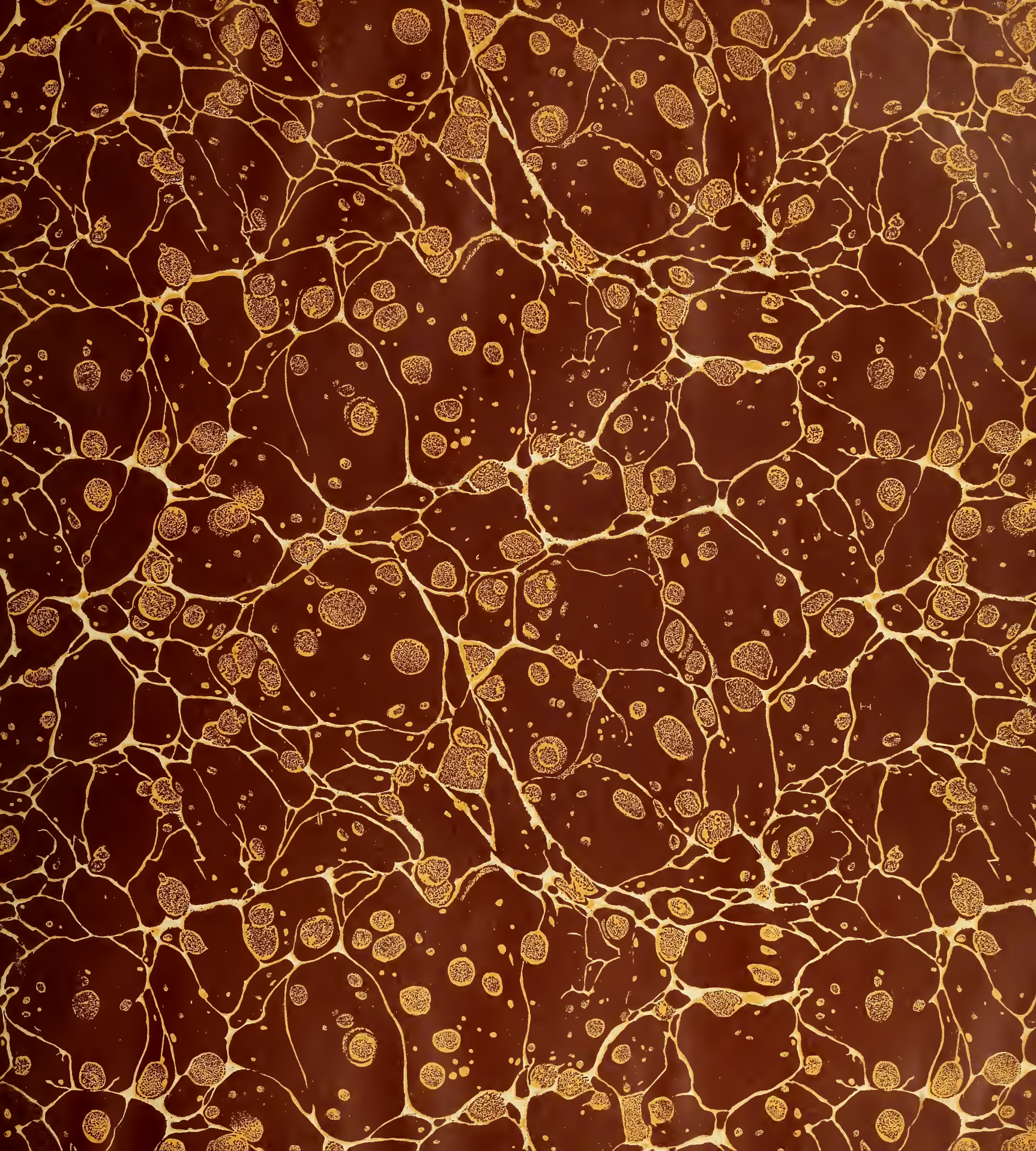
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OF THE
UNITED STATES
DEPARTMENT OF AGRICULTURE

Class 1

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157607 1918/19



18/19

ESTIMATES OF APPROPRIATIONS

— FOR THE —

DEPARTMENT OF AGRICULTURE

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Agr
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REQUIRED FOR THE SERVICE OF THE
FISCAL YEAR ENDING JUNE 30

1919

PREPARED FOR THE USE OF THE COMMITTEE ON AGRICULTURE,
HOUSE OF REPRESENTATIVES

NOTE.—Matter or items appearing in the last appropriation act and proposed to be omitted from these estimates is inclosed in heavy brackets, thus **[]**.
New or substituted matter appearing in miscellaneous appropriations is printed in *italics*.

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U.S. DEPT. OF AGRICULTURE
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ESTIMATES OF APPROPRIATIONS

—FOR THE—

DEPARTMENT OF AGRICULTURE

REQUIRED FOR THE SERVICE OF THE
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1919

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United States Department of Agriculture.

COMPARISON OF ESTIMATES OF APPROPRIATIONS FOR 1919 WITH APPROPRIATIONS MADE FOR 1918.

Titles of appropriations.	Total of appropriations for 1918.	Total of estimates for 1919.	Apparent increase in estimates for 1919 over act for 1918.	Actual increase in estimates for 1919 over act for 1918.	Apparent decrease in estimates for 1919 below act for 1918.	Actual decrease in estimates for 1919 below act for 1918.
OFFICE OF THE SECRETARY.						
Statutory salaries, Secretary's Office.....	\$412, 010. 00	\$465, 120. 00	\$53, 110. 00	\$53, 110. 00		
Statutory salaries, Office of Farm Management.....	68, 430. 00	83, 430. 00	15, 000. 00			
General expenses, Office of Farm Management.....	237, 380. 00	221, 660. 00			\$15, 720. 00	\$720. 00
A net increase of \$52,390.	717, 820. 00	770, 210. 00	68, 110. 00	53, 110. 00	15, 720. 00	720. 00
WEATHER BUREAU.						
Statutory salaries.....	327, 900. 00	328, 950. 00	1, 050. 00	1, 050. 00		
General expenses:						
Central office expenses.....	109, 250. 00	109, 250. 00				
Printing office.....	12, 800. 00	12, 800. 00				
Station salaries.....	662, 500. 00	665, 500. 00	3, 000. 00	3, 000. 00		
Special observations and reports.....	130, 040. 00	130, 040. 00				
Telegraphing and telephoning.....	294, 750. 00	295, 750. 00	1, 000. 00	1, 000. 00		
Miscellaneous station expenses.....	213, 900. 00	211, 400. 00			2, 500. 00	2, 500. 00
Traveling expenses.....	25, 500. 00	25, 500. 00				
Army aerological stations.....		98, 740. 00	98, 740. 00	98, 740. 00		
Repairing and renewing seacoast telegraph and cable lines.....		25, 000. 00	25, 000. 00	25, 000. 00		
Station at Greenville, S. C.....	6, 500. 00				6, 500. 00	6, 500. 00
A net increase of \$119,790.	1, 783, 140. 00	1, 902, 930. 00	128, 790. 00	128, 790. 00	9, 000. 00	9, 000. 00
BUREAU OF ANIMAL INDUSTRY.						
Statutory salaries.....	440, 370. 00	479, 710. 00	39, 340. 00			46, 560. 00
General expenses:						
Inspection and quarantine.....	628, 280. 00	683, 550. 00	55, 270. 00	66, 430. 00		
Eradicating cattle ticks.....	581, 560. 00	570, 420. 00			11, 140. 00	
Live stock demonstrations.....	50, 000. 00	50, 000. 00				
Dairy industry.....	378, 930. 00	364, 390. 00			14, 540. 00	
Animal husbandry.....	182, 080. 00	201, 800. 00	19, 720. 00	34, 480. 00		
Military horse breeding.....	22, 840. 00	37, 840. 00	15, 000. 00	15, 000. 00		
Purchase of land.....	15, 000. 00				15, 000. 00	15, 000. 00
Poultry feeding and breeding.....	45, 380. 00	61, 040. 00	15, 660. 00	17, 940. 00		
Equipping sheep station.....	12, 280. 00	8, 000. 00			4, 280. 00	4, 280. 00
Diseases of animals.....	84, 600. 00	83, 160. 00			1, 440. 00	
Abortion of animals.....	50, 000. 00	49, 400. 00			600. 00	
Construction of buildings.....	23, 600. 00				23, 600. 00	23, 600. 00
Eradicating hog cholera.....	208, 800. 00	247, 600. 00	38, 800. 00	42, 400. 00		
Control of viruses, etc.....	172, 240. 00	167, 240. 00			5, 000. 00	
Hog cholera research.....	32, 060. 00	32, 060. 00				
Eradicating dourine.....	99, 000. 00	97, 800. 00			1, 200. 00	
Administrative expenses.....	26, 686. 00	26, 686. 00				
Meat inspection, Bureau of Animal Industry.....	501, 620. 00	477, 200. 00			24, 420. 00	4, 240. 00
A net increase of \$82,570.	3, 555, 326. 00	3, 637, 896. 00	183, 790. 00	176, 250. 00	101, 220. 00	93, 680. 00
BUREAU OF PLANT INDUSTRY.						
Statutory salaries.....	419, 380. 00	440, 020. 00	20, 640. 00			3, 960. 00
General expenses:						
Pathological laboratory.....	62, 500. 00	62, 020. 00			480. 00	
Fruit diseases.....	68, 415. 00	67, 935. 00			480. 00	
Pecan diseases.....	8, 000. 00	8, 000. 00				
Citrus canker.....	430, 000. 00	250, 000. 00			180, 000. 00	180, 000. 00
Forest pathology.....	85, 915. 00	83, 635. 00			2, 280. 00	
Blister rust eradication.....	300, 000. 00	246, 448. 00			53, 552. 00	46, 512. 00

Comparison of estimates of appropriations for 1919 with appropriations made for 1918—Continued.

Titles of appropriations.	Total of appropriations for 1918.	Total of estimates for 1919.	Apparent increase in estimates for 1919 over act for 1918.	Actual increase in estimates for 1919 over act for 1918.	Apparent decrease in estimates for 1919 below act for 1918.	Actual decrease in estimates for 1919 below act for 1918.
BUREAU OF PLANT INDUSTRY—continued.						
General expenses—Continued.						
Cotton and truck diseases.....	\$87, 800. 00	\$87, 800. 00				
Crop physiology.....	49, 060. 00	48, 460. 00			\$600. 00	
Bacteriology and nutrition.....	39, 300. 00	39, 300. 00				
Soil fertility investigations.....	36, 260. 00	36, 260. 00				
Crop acclimatization.....	75, 010. 00	100, 010. 00	\$25, 000. 00	\$25, 000. 00		
Cotton seed interbreeding.....	7, 500. 00	7, 500. 00				
Drug and other plants.....	58, 820. 00	58, 820. 00				
Crop technology.....	24, 940. 00	24, 940. 00				
Biophysical investigations.....	32, 500. 00	32, 500. 60				
Seed testing laboratories.....	34, 700. 00	36, 680. 00	1, 980. 00	3, 000. 00		
Cereal investigations.....	126, 505. 00	126, 505. 00				
Corn improvement.....	40, 000. 00	40, 000. 00				
Black and stripe rust.....	20, 000. 00	20, 000. 00				
Tobacco investigations.....	32, 000. 00	32, 000. 00				
Paper plants.....	16, 760. 00	16, 760. 00				
Alkali and drought resistant crops.....	24, 280. 00	24, 280. 00				
Sugar plants.....	33, 515. 00	41, 615. 00	8, 100. 00	10, 000. 00		
Improving sugar beet seed.....	10, 000. 00	10, 000. 00				
Cane and sorghum sirup.....	12, 500. 00	12, 500. 00				
Economic and systematic botany.....	23, 100. 00	23, 100. 00				
Dry land agriculture.....	160, 000. 00	160, 000. 00				
Western irrigation agriculture.....	75, 380. 00	73, 580. 00			1, 800. 00	
Pomology.....	98, 200. 00	76, 280. 00			21, 920. 00	\$19, 520. 00
Pecan culture.....	9, 000. 00	9, 000. 00				
Experimental gardens and grounds.....	11, 690. 00	11, 690. 00				
Horticulture.....	62, 740. 00	60, 540. 00			2, 200. 00	
Arlington farm.....	21, 900. 00	21, 900. 00				
Foreign seed and plant introduction.....	93, 040. 00	91, 440. 00			1, 600. 00	
Chico, purchase and improvement.....	35, 000. 00				35, 000. 00	35, 000. 00
Forage crops.....	83, 180. 00	83, 180. 00				
New and rare seeds.....	60, 000. 00	60, 000. 00				
Administrative and miscellaneous.....	31, 020. 00	31, 020. 00				
Purchase and distribution of valuable seeds.....	243, 720. 00	242, 320. 00			1, 400. 00	
A net decrease of \$245,592.	3, 143, 630. 00	2, 893, 038. 00	55, 720. 00	38, 000. 00	301, 312. 00	284, 992. 00
FOREST SERVICE.						
Statutory salaries.....	2, 447, 800. 00	2, 483, 620. 00	35, 820. 00			
General expenses:						
National forests.....	1, 817, 567. 00	1, 803, 127. 00			14, 440. 00	720. 00
Agricultural land classification.....	78, 400. 00	70, 100. 00			8, 300. 00	
Survey, etc., of lands.....	69, 300. 00	49, 700. 00			19, 600. 00	10, 000. 00
Fighting forest fires.....	150, 000. 00	150, 000. 00				
Maintenance and supplies.....	161, 100. 00	161, 100. 00				
Forest products.....	155, 600. 00	173, 260. 00	17, 660. 00	20, 000. 00		
National forest range investigations.....	35, 000. 00	35, 000. 00				
National forest planting.....	165, 640. 00	145, 640. 00			20, 000. 00	20, 000. 00
Silvical investigations.....	78, 728. 00	78, 728. 00				
Reconnaissance.....	70, 000. 00	100, 000. 00	30, 000. 00	30, 000. 00		
Miscellaneous forest investigations.....	33, 140. 00	31, 280. 00			1, 860. 00	
Improvement of the national forests.....	450, 000. 00	450, 000. 00				
A net increase of \$19,280.	5, 712, 275. 00	5, 731, 555. 00	83, 480. 00	50, 000. 00	64, 200. 00	30, 720. 00
BUREAU OF CHEMISTRY.						
Statutory salaries.....	362, 990. 00	393, 910. 00	30, 920. 00			4, 760. 00
General expenses:						
Agricultural investigations.....	42, 400. 00	42, 400. 00				
Collaboration with other departments.....	14, 000. 00	14, 000. 00				
American food products.....	4, 280. 00	4, 280. 00				
Poultry and egg investigations.....	40, 000. 00	40, 000. 00				
Fish investigations.....	14, 000. 00	14, 000. 00				
Oyster and other shellfish investigations.....	5, 000. 00	5, 000. 00				
Biological investigations.....	15, 000. 00	15, 000. 00				
Citrus by-products investigations.....	13, 000. 00	13, 000. 00				
Color investigations.....	49, 400. 00	70, 720. 00	21, 320. 00	25, 000. 00		
Table sirup.....	7, 000. 00	7, 000. 00				
Enforcement of the food and drugs act.....	623, 521. 00	589, 081. 00			34, 440. 00	2, 440. 00
Naval stores investigations.....	10, 000. 00	10, 000. 00				
Insecticide and fungicide investigations.....		25, 000. 00	25, 000. 00	25, 000. 00		
A net increase of \$42,800.	1, 200, 591. 00	1, 243, 391. 00	77, 240. 00	50, 000. 00	34, 440. 00	7, 200. 00

Comparison of estimates of appropriations for 1919 with appropriations made for 1918—Continued.

Titles of appropriations.	Total of appropriations for 1918.	Total of estimates for 1919.	Apparent increase in estimates for 1919 over act for 1918.	Actual increase in estimates for 1919 over act for 1918.	Apparent decrease in estimates for 1919 below act for 1918.	Actual decrease in estimates for 1919 below act for 1918.
BUREAU OF SOILS.						
Statutory salaries.....	\$72, 220. 00	\$74, 160. 00	\$1, 940. 00			\$100. 00
General expenses:						
Chemical investigations.....	25, 610. 00	25, 610. 00				
Physical investigations.....	12, 225. 00	12, 225. 00				
Investigations of fertilizer resources.....	33, 380. 00	31, 340. 00			\$2, 040. 00	
Soil survey investigations.....	198, 200. 00	198, 200. 00				
Classification of agricultural lands.....	18, 100. 00	18, 100. 00				
Potash investigations.....		127, 600. 00	127, 600. 00	\$127, 600. 00		
Administrative expenses.....	4, 000. 00	4, 000. 00				
A net increase of \$127, 500.	363, 735. 00	491, 235. 00	129, 540. 00	127, 600. 00	2, 040. 00	100. 00
BUREAU OF ENTOMOLOGY.						
Statutory salaries.....	102, 180. 00	115, 330. 00	13, 150. 00			
General expenses:						
Deciduous fruit insects.....	73, 780. 00	73, 780. 00				
Pecan insect investigations.....	9, 600. 00	9, 600. 00				
Cereal and forage insects.....	123, 260. 00	122, 060. 00			1, 200. 00	
Southern field crop insects.....	89, 400. 00	89, 400. 00				
Forest insects.....	50, 770. 00	49, 870. 00			900. 00	
Truck crop and stored product insects.....	47, 760. 00	67, 760. 00	20, 000. 00	23, 000. 00		
Bee culture.....	20, 000. 00	35, 000. 00	15, 000. 00	15, 000. 00		
Tropical and subtropical fruit insects.....	17, 100. 00	16, 500. 00			600. 00	
Mediterranean fruit fly.....	33, 200. 00	32, 000. 00			1, 200. 00	
Miscellaneous insects.....	56, 380. 00	52, 330. 00			4, 050. 00	
Administrative and miscellaneous.....	3, 000. 00	9, 000. 00	6, 000. 00	7, 200. 00		
Preventing spread of moths, Bureau of Entomology.....	305, 050. 00	304, 050. 00			1, 000. 00	
A net increase of \$45, 200.	931, 480. 00	976, 680. 00	54, 150. 00	45, 200. 00	8, 950. 00	
BUREAU OF BIOLOGICAL SURVEY.						
Statutory salaries.....	46, 370. 00	48, 260. 00	1, 890. 00			
General expenses:						
Game preservation.....	22, 000. 00	22, 000. 00				
Maintenance of mammal and bird reservations.....	32, 500. 00	32, 500. 00				
Game for national reservations.....	2, 500. 00	2, 500. 00				
Food habits of birds and mammals.....	130, 540. 00	129, 820. 00			720. 00	720. 00
Exterminating ground squirrels on national forests and public domain.....	15, 000. 00	15, 000. 00				
Destroying noxious animals on national forests and public domain.....	125, 000. 00	125, 000. 00				
Suppression of rabies in predatory wild animals.....	125, 000. 00	125, 000. 00				
Biological investigations.....	25, 600. 00	25, 600. 00				
Protection of migratory birds.....	50, 000. 00	50, 000. 00				
Administrative expenses.....	12, 560. 00	10, 670. 00			1, 890. 00	
Sullys Hill National Park game preserve, North Dakota.....	5, 000. 00				5, 000. 00	5, 000. 00
A net decrease of \$5, 720.	592, 070. 00	586, 350. 00	1, 890. 00		7, 610. 00	5, 720. 00
DIVISION OF ACCOUNTS AND DISBURSEMENTS.						
Statutory salaries.....	44, 920. 00	44, 920. 00				
DIVISION OF PUBLICATIONS.						
Statutory salaries.....	181, 920. 00	178, 920. 00			3, 000. 00	3, 000. 00
General expenses:						
Labor-saving material and machinery.....	3, 500. 00	3, 500. 00				
Stationery and materials.....	6, 500. 00	7, 500. 00	1, 000. 00	1, 000. 00		
Furniture and fixtures.....	1, 320. 00	1, 320. 00				
Photographic equipment.....	17, 000. 00	17, 000. 00				
Communication and transportation service.....	250. 00	500. 00	250. 00	250. 00		
Wagons, horses, etc.....	500. 00	500. 00				
Miscellaneous expenses.....	3, 000. 00	3, 000. 00				
Emergency employments.....		2, 500. 00	2, 500. 00	2, 500. 00		
A net increase of \$750.	213, 990. 00	214, 740. 00	3, 750. 00	3, 750. 00	3, 000. 00	3, 000. 00

Comparison of estimates of appropriations for 1919 with appropriations made for 1918—Continued.

Titles of appropriations.	Total of appropriations for 1918..	Total of estimates for 1919.	Apparent increase in estimates for 1919 over act for 1918.	Actual increase in estimates for 1919 over act for 1918.	Apparent decrease in estimates for 1919 below act for 1918.	Actual decrease in estimates for 1919 below act for 1918.
BUREAU OF CROP ESTIMATES.						
Statutory salaries.....	\$122, 880. 00	\$130, 440. 00	\$7, 560. 00	\$6, 000. 00		
General expenses:						
Administrative expenses.....	24, 700. 00	24, 230. 00		1, 780. 00	\$470. 00	
Field investigations.....	175, 872. 00	204, 337. 00	28, 465. 00	27, 775. 00		
A net increase of \$35,555.	323, 452. 00	359, 007. 00	36, 025. 00	35, 555. 00	470. 00	
LIBRARY.						
Statutory salaries.....	32, 160. 00	32, 160. 00				
General expenses.....	18, 000. 00	18, 000. 00				
	50, 160. 00	50, 160. 00				
Miscellaneous expenses.....	137, 500. 00	137, 500. 00				
Rent in the District of Columbia.....	143, 689. 00	158, 689. 00	15, 000. 00	15, 000. 00		
A net increase of \$15,000.						
STATES RELATIONS SERVICE.						
Statutory salaries.....	135, 080. 00	180, 980. 00	45, 900. 00			\$1, 840. 00
General expenses:						
Agricultural experiment stations.....	1, 440, 000. 00	1, 440, 000. 00				
Colleges and stations.....	68, 500. 00	68, 500. 00		4, 740. 00		
Farmers' cooperative demonstrations—North and West.....	578, 240. 00	554, 800. 00			23, 440. 00	720. 00
Farmers' cooperative demonstrations—South.....	659, 560. 00	650, 140. 00			9, 420. 00	720. 00
Farmers' institutes and agricultural schools.....	20, 600. 00	20, 600. 00				
Agricultural experiment station—Alaska.....	60, 000. 00	65, 000. 00	5, 000. 00	5, 000. 00		
Agricultural experiment station—Hawaii.....	40, 000. 00	45, 000. 00	5, 000. 00	5, 000. 00		
Agricultural experiment station—Porto Rico.....	40, 000. 00	45, 000. 00	5, 000. 00	5, 000. 00		
Agricultural experiment station—Island of Guam.....	15, 000. 00	20, 000. 00	5, 000. 00	5, 000. 00		
Agricultural experiment station—Virgin Islands.....		15, 000. 00	15, 000. 00	15, 000. 00		
Home economics.....	35, 000. 00	30, 120. 00			4, 880. 00	
General administrative expenses.....	15, 680. 00	15, 680. 00		6, 700. 00		
A net increase of \$43,160.	3, 107, 660. 00	3, 150, 820. 00	80, 900. 00	46, 440. 00	37, 740. 00	3, 280. 00
OFFICE OF PUBLIC ROADS AND RURAL ENGINEERING.						
Statutory salaries.....	95, 360. 00	104, 020. 00	8, 660. 00			1, 200. 00
General expenses:						
Road management.....	41, 040. 00	40, 040. 00			1, 000. 00	
Investigating road building and maintenance.....	141, 780. 00	141, 060. 00			720. 00	720. 00
Road material.....	51, 220. 00	51, 220. 00				
Field experiments.....	60, 000. 00	60, 000. 00				
Farm irrigation.....	102, 440. 00	102, 440. 00				
Farm drainage.....	93, 760. 00	93, 760. 00				
Rural engineering.....	25, 000. 00	60, 900. 00	35, 900. 00	35, 900. 00		
Administrative expenses.....	16, 000. 00	16, 000. 00		8, 860. 00		
Laboratory building.....	75, 000. 00				75, 000. 00	75, 000. 00
A net decrease of \$32,160.	701, 600. 00	669, 440. 00	44, 560. 00	44, 760. 00	76, 720. 00	76, 920. 00
BUREAU OF MARKETS.						
Statutory salaries.....	197, 820. 00	387, 850. 00	190, 030. 00	3, 060. 00		
General expenses:						
Marketing and distributing farm products.....	289, 400. 00	292, 240. 00	2, 840. 00	30, 500. 00		
Collecting and distributing market information.....	184, 740. 00	221, 660. 00	36, 920. 00	74, 280. 00		
Market reports on live stock and meat.....	66, 800. 00	71, 120. 00	4, 320. 00	22, 720. 00		
Food supply investigations.....	50, 000. 00	48, 800. 00			1, 200. 00	
Market inspection of perishable foods.....		113, 000. 00	113, 000. 00	113, 000. 00		
Cotton standards investigations.....	19, 380. 00	18, 960. 00			420. 00	
Cotton testing.....	28, 620. 00	26, 960. 00			1, 660. 00	
Rural cooperation.....	30, 760. 00	28, 280. 00			2, 480. 00	
State cooperation in marketing.....	43, 000. 00	61, 500. 00	18, 500. 00	22, 000. 00		
Grain standardization.....	106, 550. 00	92, 750. 00			13, 840. 00	
Enforcement of standard basket act.....	4, 000. 00	5, 000. 00	1, 000. 00	1, 000. 00		
Administrative expenses.....	20, 105. 00	23, 530. 00	3, 425. 00	9, 895. 00		
Enforcement of the United States cotton-futures act.....	98, 600. 00	88, 580. 00			10, 020. 00	1, 440. 00
Enforcement of the United States grain standards act.....	519, 140. 00	456, 580. 00			62, 560. 00	1, 200. 00
Administration of the United States warehouse act.....	59, 620. 00	53, 540. 00			6, 080. 00	2, 040. 00
A net increase of \$271,775.	1, 718, 575. 00	1, 990, 350. 00	370, 035. 00	276, 455. 00	98, 260. 00	4, 680. 00

Comparison of estimates of appropriations for 1919 with appropriations made for 1918—Continued.

Titles of appropriations.	Total of appropriations for 1918.	Total of estimates for 1919.	Apparent increase in estimates for 1919 over act for 1918.	Actual increase in estimates for 1919 over act for 1918.	Apparent decrease in estimates for 1919 below act for 1918.	Actual decrease in estimates for 1919 below act for 1918.
INSECTICIDE AND FUNGICIDE BOARD.						
Statutory salaries.....	\$25, 070. 00	\$26, 750. 00	\$1, 680. 00	\$1, 209. 00
General expenses.....	87, 450. 00	94, 450. 00	7, 060. 00	7, 540. 00
A net increase of \$8,740.	112, 500. 00	121, 240. 00	8, 740. 00	8, 740. 00
FEDERAL HORTICULTURAL BOARD.						
Statutory salaries.....	20, 500. 00	26, 500. 00	6, 000. 00	\$200. 00
General expenses.....	54, 500. 00	48, 500. 00	\$6, 200. 00
Suppressing spread of pink bollworm of cotton.....	50, 000. 00	50, 000. 00	50, 000. 00
A net decrease of \$50,200.	125, 000. 00	74, 800. 00	6, 000. 00	56, 200. 00	50, 200. 00
MISCELLANEOUS.						
Demonstrations on reclamation projects.....	50, 000. 00	48, 600. 00	1, 400. 00
Cooperative fire protection of forested watersheds of navigable streams.....	100, 000. 00	100, 000. 00
Experiments and demonstrations in live-stock production in the cane-sugar and cotton districts of the United States.....	60, 000. 00	60, 000. 00
Experiments in dairying and live-stock production in semiarid and irrigated districts of the western United States.....	40, 000. 00	40, 000. 00
Eradication of foot-and-mouth and other contagious diseases of animals.....	1, 000, 000. 00	1, 000, 000. 00
Total agricultural bill.....	25, 929, 113. 00	26, 458, 551. 00	1, 347, 720. 00	1, 099, 650. 00	818, 282. 00	570, 212. 00
A net increase of \$529,438. ¹
Acquisition of lands for protection of watersheds of navigable streams.....	2, 000, 000. 00	2, 000, 000. 00	2, 000, 000. 00
Total appropriations in agricultural bills.....	27, 929, 113. 00	26, 458, 551. 00	1, 347, 720. 00	1, 099, 650. 00	2, 818, 282. 00	2, 570, 212. 00
A net decrease of \$1,470,562, or about 5.3 per cent.
Permanent annual appropriations.....	17, 235, 000. 00	22, 735, 000. 00	5, 500, 000. 00	5, 500, 000. 00
Stimulating agriculture and facilitating distribution of products (special act).....	11, 346, 400. 00	11, 346, 400. 00	11, 346, 400. 00
Suppressing spread of pink bollworm of cotton (deficiency act).....	250, 000. 00	250, 000. 00	250, 000. 00
Items transferred from appropriation acts for other departments.....	135, 000. 00	135, 000. 00	135, 000. 00
Printing and binding (sundry civil act).....	650, 000. 00	650, 000. 00
Grand total of all appropriations for the Department of Agriculture.....	57, 545, 513. 00	49, 843, 551. 00	6, 847, 720. 00	6, 599, 650. 00	14, 549, 682. 00	14, 301, 612. 00

¹ Includes \$107,000 transferred from the army appropriation act for the establishment and maintenance of aerological stations and \$127,600 for the operation of the potash plant on the Pacific coast. No appropriation was made for the latter purpose in the agricultural appropriation act for the fiscal year 1918, but there remained available for expenditure during the present fiscal year a balance of \$153,253.62 from an appropriation of \$175,000 for potash investigations carried in the act for 1917.

ESTIMATES OF APPROPRIATIONS REQUIRED FOR THE SERVICE OF THE FISCAL YEAR ENDING JUNE 30, 1919.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p style="text-align: center;">DEPARTMENT OF AGRICULTURE.</p> <p>NOTE.—In the following estimates for the Department of Agriculture new matter appearing in miscellaneous appropriations has been indicated by means of <i>italics</i>, and all matter to be dropped has been inclosed in heavy brackets, thus [].</p> <p style="text-align: center;">OFFICE OF THE SECRETARY.</p> <p><i>Salaries, Office of the Secretary of Agriculture—</i></p>		
<p>(1) Secretary of Agriculture (<i>R. S., p. 87, secs. 520–523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>) -----</p> <p>(2) Assistant Secretary of Agriculture (<i>same acts</i>) -----</p> <p>(3) Solicitor (<i>same acts</i>) -----</p> <p>(4) Chief clerk, \$3,000, and \$500 additional as custodian of buildings (<i>same acts</i>) -----</p> <p>(5) Private secretary to the Secretary of Agriculture (<i>same acts</i>) -----</p> <p>(6) Executive clerk (<i>same acts</i>) -----</p> <p>(7) Executive clerk (<i>same acts</i>) -----</p> <p>(8) Stenographer and executive clerk to the Secretary of Agriculture (<i>same acts</i>) -----</p> <p>(9) Private secretary to the Assistant Secretary of Agriculture (<i>same acts</i>) -----</p> <p>(10) One appointment clerk (<i>same acts</i>) -----</p> <p>(11) One assistant in charge of information (<i>same acts</i>) -----</p> <p>(12) One officer in charge of supplies (<i>same acts</i>) -----</p> <p>(13) One assistant (<i>same acts</i>) -----</p> <p>(14) One inspector (<i>same acts</i>) -----</p> <p>(15) One inspector (<i>same acts</i>) -----</p> <p>(16) One law clerk (<i>same acts</i>) -----</p> <p>(17) Two law clerks, at \$3,000 each (<i>same acts</i>) -----</p> <p>(18) Two law clerks, at \$2,750 each (increase of 1 by transfer from Weeks forestry act) (<i>same acts</i>) -----</p>	<p>\$12, 000. 00</p> <p>5, 000. 00</p> <p>5, 000. 00</p> <p>3, 500. 00</p> <p>2, 500. 00</p> <p>2, 250. 00</p> <p>2, 100. 00</p> <p>2, 250. 00</p> <p>2, 250. 00</p> <p>2, 000. 00</p> <p>3, 000. 00</p> <p>2, 000. 00</p> <p>2, 000. 00</p> <p>2, 750. 00</p> <p>2, 250. 00</p> <p>3, 250. 00</p> <p>6, 000. 00</p> <p>5, 500. 00</p>	
<p>NOTE.—It is recommended that one law clerk, at \$2,750, be transferred from the appropriation for the acquisition of lands under the Weeks Forestry Act to the statutory roll of the Secretary's office. The appropriation under the Weeks Forestry Act being a special one, no reduction in the amount can be made by reason of this transfer. However, as the employee involved is on duty in the city of Washington, the item in the agricultural appropriation act for the fiscal year 1918 authorizing the expenditure of \$25,000 from the moneys appropriated under the Weeks Forestry Act for clerical and other services in the city of Washington has been correspondingly reduced. The services of this employee will be needed permanently in connection with the legal work of the department.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(19) Four law clerks, at \$2,500 each (<i>R. S., p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>)-----	\$10,000.00	
(20) Eight law clerks, at \$2,250 each (<i>same acts</i>)-----	18,000.00	
(21) One law clerk (<i>same acts</i>)-----	2,200.00	
(22) Five law clerks, at \$2,000 each (<i>same acts</i>)-----	10,000.00	
(23) Three law clerks, at \$1,800 each (<i>same acts</i>)-----	5,400.00	
(24) Four law clerks, at \$1,600 each (<i>same acts</i>)-----	6,400.00	
(25) One assistant editor (by transfer from statutory roll, Division of Publications) (<i>same acts</i>)-----	2,000.00	
NOTE.—This change and those under items 26 and 27 involve the transfer of six assistant editors from the statutory roll of the Division of Publications, with a corresponding decrease in that roll. The editorial work of the department has for several months past been performed under the supervision of an assistant in the Office of the Secretary, working under the immediate direction of one of the Assistant Secretaries, and these transfers are recommended in order to make this arrangement permanent.		
(26) Four assistant editors, at \$1,800 each (by transfer from statutory roll, Division of Publications) (<i>same acts</i>)-----	7,200.00	
NOTE.—See note under item 25.		
(27) One assistant editor (by transfer from statutory roll, Division of Publications) (<i>same acts</i>)-----	1,600.00	
NOTE.—See note under item 25.		
(28) One expert on exhibits (<i>same acts</i>)-----	3,000.00	
(29) One assistant in exhibits (by transfer from lump fund for extra labor, Secretary's office) (<i>same acts</i>)-----	2,000.00	
NOTE.—This change involves the transfer of an employee from the lump fund of the Secretary's office without corresponding reduction in the latter fund. The fund for extra labor and emergency employments is small, and the entire amount will be needed next year.		
(30) One telegraph and telephone operator (<i>same acts</i>)-----	1,600.00	
(31) One assistant chief clerk and captain of the watch (<i>same acts</i>)---	1,800.00	
(32) Five clerks, class 4 (increase of 1 by transfer from statutory roll, Federal Horticultural Board) (<i>same acts</i>)-----	9,000.00	
(33) Thirteen clerks, class 3 (increase of 1 by transfer from Federal aid road act, and 1 from meat inspection, Bureau of Animal Industry, and decrease of 1 by transfer to statutory roll, Federal Horticultural Board, making a net increase of 1) (<i>same acts</i>)--	20,800.00	
NOTE.—These changes involve the transfer of 1 clerk, class 3, from the Federal aid road act appropriation. This is a special appropriation covering a period of 5 years and can not be correspondingly reduced. The transfer of this clerk, now detailed to the Secretary's office, is recommended in view of the fact that his services will be required continuously.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(34) Twenty-one clerks, class 2 (increase of 1 in lieu of 2 clerks at \$720 each, dropped, 1 from this roll and 1 transferred from statutory roll, States Relations Service, with net decrease of \$40) (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>) -----	\$29, 400. 00	
NOTE.—This change involves the substitution of one place at \$1,400 in lieu of 2 clerks at \$720 each, dropped, with a net decrease of \$40. It has been found impossible to secure and hold competent clerks at \$720, and one of these places is now vacant. The services of an additional high-grade clerk are needed in order to meet the great increase in the administrative work of the Secretary's office.		
(35) Twenty-six clerks, class 1 (increase of 4, 1 by transfer from lump fund for marketing and distributing farm products, 1 from grain standards act, 1 from warehouse act, Bureau of Markets, and 1 from meat inspection, Bureau of Animal Industry) (<i>same acts</i>) -----	31, 200. 00	
(36) One auditor (<i>same acts</i>) -----	2, 000. 00	
(37) One accountant and bookkeeper (<i>same acts</i>) -----	2, 000. 00	
(38) One clerk (<i>same acts</i>) -----	1, 440. 00	
(39) One clerk (<i>same acts</i>) -----	1, 020. 00	
(40) Seven clerks, at \$1,000 each (<i>same acts</i>) -----	7, 000. 00	
(41) Thirteen clerks, at \$900 each (increase of 1 by transfer from Federal aid road act) (<i>same acts</i>) -----	11, 700. 00	
NOTE.—The services of this clerk, now detailed to the Secretary's office, will be needed permanently. (See note under item 33, which applies also in this case.)		
(42) Two clerks, at \$840 each (increase of 1 by transfer from statutory roll, States Relations Service) (<i>same acts</i>) -----	1, 680. 00	
(43) 【One clerk, \$720, dropped.】		
NOTE.—See note under item 34.		
(44) Fourteen messengers or laborers, at \$840 each (decrease of 1 by change to electrician's helper, same salary, as below) (<i>same acts</i>) -----	11, 760. 00	
NOTE.—The employee occupying this position has for several years been performing the duties of an electrician's helper. The Civil Service Commission has requested the department to include in its estimates a recommendation that this change in designation be made so that the title will indicate the character of the service rendered.		
(45) Twelve assistant messengers, laborers, or messenger boys, at \$720 each (<i>same acts</i>) -----	8, 640. 00	
(46) One messenger or laborer (<i>same acts</i>) -----	660. 00	
(47) One mechanical superintendent (<i>same acts</i>) -----	2, 500. 00	
(48) One mechanical assistant (by transfer from statutory roll, Bureau of Markets) (<i>same acts</i>) -----	1, 800. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(49) Three mechanical assistants, at \$1,500 each (in lieu of 1 mechanic, \$1,200, as below, with increase of \$300; 1 cabinet shop foreman, \$1,200, as below, with increase of \$300; and 1 superintendent of shops, \$1,400, as below, with increase of \$100) (<i>R. S., p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>) -----	\$4, 500. 00	
<p>NOTE.—These changes, together with those indicated in items 50, 51, 54, 55, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 77, 80, 81, 87, 90, and 91, are designed to effect a readjustment in the salaries of the employees of the mechanical shops. The men are all skilled workmen, and their present salaries are considerably lower than those paid by private contractors and by other Government establishments, such as the Government Printing Office, the Bureau of Engraving, and the navy yard. These promotions, if allowed, will involve a total increase in the roll of \$6,249, and are recommended only after a careful consideration of the work performed by each individual and a study of the scale of wages obtaining both in the Government service and in private employment. Most of the employees concerned have been in the service of the department for a number of years without promotion. The mechanical force is called upon from time to time to perform work of a technical character, such as the construction of apparatus for use in the scientific investigations, the efficient execution of which requires skill and ability not ordinarily possessed by mechanics in the commercial world. A number of mechanics recently have left the employ of the department to accept more remunerative positions. The promotions recommended will provide compensation more nearly commensurate with the duties performed and with the scale of wages paid for similar services outside the department.</p> <p>Several changes in designations are also recommended in order to establish more uniform grades.</p>		
(50) One engineer (increase of \$200 submitted) (<i>same acts</i>) -----	1, 600. 00	
NOTE.—See note under item 49.		
(51) One electrical engineer and draftsman (increase of \$200 submitted) (<i>same acts</i>) -----	1, 400. 00	
NOTE.—See note under item 49.		
(52) One assistant engineer (<i>same acts</i>) -----	1, 200. 00	
(53) Two assistant engineers, at \$1,000 each (<i>same acts</i>) -----	2, 000. 00	
(54) One fireman (in lieu of 1 fireman, \$720, as below, with increase of \$120) (<i>same acts</i>) -----	840. 00	
NOTE.—See note under item 49.		
(55) Seven firemen, at \$720 each (decrease of 1 by change to fireman, at \$840, as above) (<i>same acts</i>) -----	5, 040. 00	
NOTE.—See note under item 49.		
(56) One chief elevator conductor (by transfer from lump fund for warehouse act, Bureau of Markets) (<i>same acts</i>) -----	840. 00	
(57) Fourteen elevator conductors, at \$720 each (increase of 1 by transfer from lump fund for collecting and distributing market information, Bureau of Markets) (<i>same acts</i>) -----	10, 080. 00	
(58) Three elevator conductors, at \$600 each (<i>same acts</i>) -----	1, 800. 00	
(59) [One superintendent of shops, \$1,400, changed to mechanical assistant, \$1,500, as above.]		
NOTE.—See note under item 49.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(60) 【 One cabinet shop foreman, \$1,200, changed to mechanical assistant, \$1,500, as above. 】		
NOTE.—See note under item 49.		
(61) Ten cabinetmakers or carpenters, at \$1,260 each (in lieu of 3 cabinetmakers or carpenters, at \$1,100 each, as below, with increase of \$160 each, and 7 cabinetmakers or carpenters, at \$1,020 each, as below, with increase of \$240 each) (<i>R. S., p. 87, secs. 520–523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>)	\$12, 600. 00	
NOTE.—See note under item 49.		
(62) Five cabinetmakers or carpenters, at \$1,200 each (increase of 1 by transfer of 1 carpenter at same salary from statutory roll, Bureau of Public Roads) (<i>same acts</i>)	6, 000. 00	
(63) Five cabinetmakers or carpenters, at \$1,100 each (increase of 5, 2 in lieu of 2 cabinetmakers or carpenters, at \$1,020 each, as below, with increase of \$80 each, and 3 in lieu of 3 cabinetmakers or carpenters, at \$900 each, as below, with increase of \$200 each, and decrease of 3 by change to cabinetmakers or carpenters, at \$1,260, making a net increase of 2) (<i>same acts</i>) ..	5, 500. 00	
NOTE.—See note under item 49.		
(64) 【 Nine cabinetmakers or carpenters, at \$1,020 each, changed to cabinetmakers or carpenters, at \$1,260 and \$1,100, as above. 】		
NOTE.—See note under item 49.		
(65) 【 Three cabinetmakers or carpenters, at \$900 each, changed to cabinetmakers or carpenters, at \$1,100, as above. 】		
NOTE.—See note under item 49.		
(66) Two electricians or wiremen, at \$1,200 each (in lieu of 1 electrician, \$1,100, and 1 electrical wireman, \$1,100, as below, with increase of \$100 in each case) (<i>same acts</i>)	2, 400. 00	
NOTE.—See note under item 49. The Civil Service Commission carries a list of eligibles for electricians and a separate list for wiremen, and it is frequently desirable to be able to choose from either of these two lists in order to obtain the best man available.		
(67) 【 One electrician, \$1,100, changed to electrician or wireman, at \$1,200, as above. 】		
NOTE.—See notes under items 49 and 66.		
(68) 【 One electrical wireman, \$1,100, changed to electrician or wireman, at \$1,200, as above. 】		
NOTE.—See notes under items 49 and 66.		
(69) Two electricians or wiremen, at \$1,000 each (in lieu of 1 electrical wireman, at same salary, as below, and 1 electrical wireman, \$900, as below, with increase of \$100) (<i>same acts</i>)	2, 000. 00	
NOTE.—See notes under items 49 and 66.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(70) [One electrical wireman, \$1,000, changed to electrician or wireman, at \$1,000, as above.]		
NOTE.—See notes under items 49 and 66.		
(71) [One electrical wireman, \$900, changed to electrician or wireman, at \$1,000, as above.]		
NOTE.—See notes under items 49 and 66.		
(72) Four electrician's helpers, at \$840 each (in lieu of 1 messenger or laborer, at same salary, as above, and 3 electrician's helpers, at \$720 each, as below, with increase of \$120 each) (<i>R. S., p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>)-----	\$3,360.00	
NOTE.—See notes under items 44 and 49.		
(73) [Three electrician's helpers, at \$720 each, changed to electrician's helpers, at \$840, as above.]		
NOTE.—See note under item 49.		
(74) One painter (increase of \$180 submitted) (<i>same acts</i>)-----	1,200.00	
NOTE.—See note under item 49.		
(75) One painter (<i>same acts</i>)-----	1,000.00	
(76) Five painters, at \$900 each (<i>same acts</i>)-----	4,500.00	
(77) Five plumbers or steamfitters, at \$1,200 each (increase of \$180 each submitted) (<i>same acts</i>)-----	6,000.00	
NOTE.—See note under item 49.		
(78) One plumber's helper (<i>same acts</i>)-----	840.00	
(79) Two plumber's helpers, at \$720 each (<i>same acts</i>)-----	1,440.00	
(80) One blacksmith (increase of \$120 submitted) (<i>same acts</i>)-----	1,020.00	
NOTE.—See note under item 49.		
(81) One elevator machinist (increase of \$120 submitted) (<i>same acts</i>)--	1,020.00	
NOTE.—See note under item 49.		
(82) One tinner or sheet-metal worker (<i>submitted</i>)-----	1,100.00	
NOTE.—This is a new place. At the present time the personnel of the mechanical shops of this department does not include a tinner, all the tin and sheet-metal work being done by a tinner's helper receiving \$720. The work of this character required by the Dairy Division of the Bureau of Animal Industry and the States Relations Service alone is sufficient to keep one tinner continuously occupied, to say nothing of the large amount of similar work which other bureaus and divisions need to have done. If allowed, this place will be filled by original appointment.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(83) One tinner's helper (<i>R. S.</i> , p. 87, <i>secs.</i> 520-523; <i>acts</i> Feb. 9, 1889, <i>vol.</i> 25, p. 659, <i>sec.</i> 3; <i>Mar.</i> 2, 1889, <i>vol.</i> 25, p. 835, <i>sec.</i> 3; <i>Feb.</i> 26, 1907, <i>vol.</i> 34, p. 1256, <i>sec.</i> 4; <i>Mar.</i> 4, 1917, <i>vol.</i> 39, pp. 1134, 1135, <i>sec.</i> 1)-----	\$720. 00	
(84) One lieutenant of the watch (<i>same acts</i>)-----	1, 000. 00	
(85) Two lieutenants of the watch, at \$960 each (<i>same acts</i>)-----	1, 920. 00	
(86) Sixty-nine watchmen, at \$720 each (increase of 19, 1 by transfer from statutory roll and 2 from meat inspection, Bureau of Animal Industry; 1 from blister rust eradication, Bureau of Plant Industry; 1 from general administration, Forest Service; 2 from food and drugs act, Bureau of Chemistry; 1 from general expenses, Office of Farm Management; 2 from administrative expenses, Bureau of Entomology; 1 from food habits, Bureau of Biological Survey; 1 from administrative expenses, Bureau of Crop Estimates; 2 from cotton-futures act, Bureau of Markets; 1 from road building and 1 from administrative expenses, Bureau of Public Roads; 1 from statutory roll, with change of title from clerk, at same salary, 1 from farmers' cooperative demonstrations in North and West, and 1 from farmers' cooperative demonstrations in South, States Relations Service) (<i>same acts</i>)-----	49, 680. 00	
NOTE.—In order to properly safeguard the 26 buildings owned and rented by the department, it has been necessary during the past year to make additions to the watch force, paying for this service from lump fund appropriations of the bureaus to which these men have been assigned. It is now proposed to transfer these places to the Secretary's office, as all of these watchmen are under the direct supervision of the chief clerk of the department. These changes involve the transfer of a \$720 clerkship from the statutory roll of the States Relations Service, with change in designation to watchman. It is impossible at the present time to secure competent clerical help at \$720. The place is now vacant, and it is proposed to fill it by the transfer of a watchman now carried on the lump fund for administrative expenses.		
(87) Three mechanics, at \$1,200 each (decrease of 1 by change to mechanical assistant, at \$1,500, as above) (<i>same acts</i>)-----	3, 600. 00	
NOTE.—See note under item 49.		
(88) One mechanic (by transfer from lump fund for food and drugs act, Bureau of Chemistry) (<i>same acts</i>)-----	1, 000. 00	
(89) One skilled laborer (<i>same acts</i>)-----	1, 000. 00	
(90) Three skilled laborers, at \$960 each (increase of 1 in lieu of 1 skilled laborer, \$840, as below, with increase of \$120) (<i>same acts</i>)-----	2, 880. 00	
NOTE.—See note under item 49. The duties of this position are those of a cabinetmaker's or carpenter's assistant.		
(91) One skilled laborer (decrease of 1 by change to 1 skilled laborer, \$960, as above) (<i>same acts</i>)-----	840. 00	
NOTE.—See notes under items 49 and 90.		
(92) One skilled laborer (<i>same acts</i>)-----	720. 00	
(93) One janitor (<i>same acts</i>)-----	900. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
(94) Twenty-one assistant messengers, messenger boys, or laborers, at \$600 each (decrease of 1 by transfer to statutory roll, States Relations Service) (<i>R. S., p. 87, secs. 520-523; acts Feb. 9, 1889, vol. 25, p. 659, sec. 3; Mar. 2, 1889, vol. 25, p. 835, sec. 3; Feb. 26, 1907, vol. 34, p. 1256, sec. 4; Mar. 4, 1917, vol. 39, pp. 1134, 1135, sec. 1</i>)	\$12,600.00	
(95) One carriage driver (<i>same acts</i>)	600.00	
(96) Twenty-three laborers or messenger boys, at \$480 each (increase of 2, 1 by transfer from lump fund for market reports on live stock, Bureau of Markets, and 1 from Weeks forestry act) (<i>same acts</i>)	11,040.00	
NOTE.—This change involves the transfer of one laborer or messenger boy at \$480 from the appropriation for the acquisition of lands under the Weeks forestry act, without reduction in that appropriation but with a corresponding decrease in the amount authorized for expenditure for clerical and other services in the city of Washington incident to the administration of the Weeks forestry act, as explained in the note under item 18.		
(97) One messenger or messenger boy (<i>same acts</i>)	360.00	
(98) One charwoman (<i>same acts</i>)	540.00	
(99) Three charwomen, at \$480 each (<i>same acts</i>)	1,440.00	
(100) Fifteen charwomen, at \$240 each (<i>same acts</i>)	3,600.00	
(101) For extra labor and emergency employments (<i>same acts</i>)	12,000.00	
	\$465,120.00	\$412,010.00

NOTE.—Apparent increase, \$53,110; actual increase, including places transferred, \$53,110; actual increase, excluding places transferred, \$15,030.

Promotions.

1 mechanic, \$1,200, to 1 mechanical assistant, \$1,500 ..	\$300
1 cabinet shop foreman, \$1,200, to 1 mechanical assistant, \$1,500	300
1 superintendent of shops, \$1,400, to 1 mechanical assistant, \$1,500	100
1 engineer, from \$1,400 to \$1,600	200
1 electrical engineer and draftsman, from \$1,200 to \$1,400	200
1 fireman, from \$720 to \$840	120
3 cabinetmakers or carpenters, from \$1,100 to \$1,260 each	480
7 cabinetmakers or carpenters, from \$1,020 to \$1,260 each	1,680
2 cabinetmakers or carpenters, from \$1,020 to \$1,100 each	160
3 cabinetmakers or carpenters, from \$900 to \$1,100 each	600
1 electrician, \$1,100, to 1 electrician or wireman, \$1,200 ..	100
1 electrical wireman, \$1,100, to 1 electrician or wireman, \$1,200	100
1 electrical wireman, \$900, to 1 electrician or wireman, \$1,000	100
3 electrician's helpers, from \$720 to \$840 each	360
1 painter, from \$1,020 to \$1,200	180
5 plumbers or steamfitters, from \$1,020 to \$1,200 each ..	900
1 blacksmith, from \$900 to \$1,020	120
1 elevator machinist, from \$900 to \$1,020	120
1 skilled laborer, from \$840 to \$960	120
—————\$6,240	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of the Secretary of Agriculture—Continued.</i>		
<i>New places.</i>		
1 clerk, class 2 (in lieu of 2 clerks at \$720 each, dropped, 1 from this roll, and 1 transferred from statutory roll, States Relations Service, with net decrease of \$40)...	\$1, 400	
1 tinner or sheet-metal worker,	1, 100	
	\$2, 500	
<i>Transfer from extra labor roll of Secretary's office, which fund has not been correspondingly reduced.</i>		
1 assistant in exhibits.....	2, 000	
<i>Transfers from special appropriation acts, which could not be correspondingly reduced.</i>		
1 law clerk, from Weeks forestry act.....	\$2, 750	
1 laborer or messenger boy, from Weeks forestry act...	480	
1 clerk, class 3, from Federal aid road act.....	1, 600	
1 clerk, from Federal aid road act.....	900	
	5, 730	
	\$16, 470	
<i>Places dropped.</i>		
2 clerks, at \$720 each (1 from this roll, and 1 transferred from statutory roll, States Relations Service).....	1, 440	
Actual increase, excluding places transferred.....	15, 030	
<i>Transfers from funds of other bureaus, which funds have been correspondingly reduced.</i>		
1 assistant editor, from statutory roll, Division of Publications.....	2, 000	
4 assistant editors, at \$1,800 each, from statutory roll, Division of Publications.....	7, 200	
1 assistant editor, from statutory roll, Division of Publications.....	1, 600	
1 clerk, class 4, from statutory roll, Federal Horticultural Board.....	1, 800	
1 clerk, class 3, from meat inspection, Bureau of Animal Industry.....	1, 600	
4 clerks, class 1, 1 from marketing and distributing farm products, 1 from grain standards, and 1 from warehouse act, Bureau of Markets, and 1 from meat inspection, Bureau of Animal Industry.....	4, 800	
1 clerk, from statutory roll, States Relations Service.....	840	
1 clerk, from statutory roll, States Relations Service.....	720	
1 mechanical assistant, from statutory roll, Bureau of Markets.....	1, 800	
1 chief elevator conductor, from warehouse act, Bureau of Markets.....	840	
1 elevator conductor, from collecting and distributing market information, Bureau of Markets.....	720	
1 carpenter, from statutory roll, Bureau of Public Roads....	1, 200	
19 watchmen, at \$720 each, 1 from statutory roll, and 2 from meat inspection, Bureau of Animal Industry; 1 from blister rust eradication, Bureau of Plant Industry; 1 from general administration, Forest Service; 2 from food and drugs, Bureau of Chemistry; 1 from general expenses, Office of Farm Management; 2 from administrative expenses, Bureau of Entomology; 1 from food habits, Bureau of Biological Survey; 1 from administrative expenses, Bureau of Crop Estimates; 2 from cotton-futures act, Bureau of Markets; 1 from road building, and 1 from administrative expenses, Bureau of Public Roads; 1 from statutory roll, with change of title from clerk, 1 from farmers' cooperative demonstrations, North and West, and 1 from farmers' cooperative demonstrations in South, States Relations Service.....	13, 680	
1 mechanic, from food and drugs, Bureau of Chemistry.....	1, 000	
1 laborer or messenger boy, from market reports on live stock, Bureau of Markets.....	480	
	40, 280	

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																				
Salaries, Office of the Secretary of Agriculture—Continued.																																																																						
<i>Transfers to rolls of other bureaus, and the Secretary's roll correspondingly reduced.</i>																																																																						
1 clerk, class 3, to statutory roll, Federal Horticultural Board.....	\$1,600																																																																					
1 assistant messenger, messenger boy or laborer, to statutory roll, States Relations Service.....	600																																																																					
	<u>\$2,200</u>																																																																					
	<u>\$38,080</u>																																																																					
Actual increase, including places transferred.....	53,110																																																																					
<i>Change of title.</i>																																																																						
1 mechanical assistant, \$1,500, in lieu of 1 mechanic, \$1,200.																																																																						
1 mechanical assistant, \$1,500, in lieu of 1 cabinet shop foreman, \$1,200.																																																																						
1 mechanical assistant, \$1,500, in lieu of 1 superintendent of shops, \$1,400.																																																																						
1 electrician or wireman, \$1,200, in lieu of 1 electrician, \$1,100.																																																																						
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1 electrician or wireman, \$1,000, in lieu of 1 electrical wireman, \$900.																																																																						
1 electrician's helper, \$840, in lieu of 1 messenger or laborer, \$840.																																																																						
1 watchman, \$720, in lieu of 1 clerk, \$720, transferred from statutory roll, States Relations Service.																																																																						
<i>Extra labor and emergency employments.</i>																																																																						
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr></thead><tbody><tr><td colspan="4"><i>Salaries:</i></td></tr><tr><td>Mechanical superintendent.....per annum..</td><td>\$2,500.00</td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant in exhibits *.....do.....</td><td>2,000.00</td><td></td><td>1 (temp.)</td></tr><tr><td>Clerks, \$900 and \$720.....do.....</td><td></td><td>3 (temp.)</td><td>4 (temp.)</td></tr><tr><td>Folder.....do.....</td><td>900.00</td><td></td><td>1 (temp.)</td></tr><tr><td>Watchmen, \$720 and \$600.....do.....</td><td></td><td>20 (temp.)</td><td>23 (temp.)</td></tr><tr><td>Messenger boys, \$600 and \$360.....do.....</td><td></td><td>3 (temp.)</td><td>6 (temp.)</td></tr><tr><td>Relief watchmen (average service 35 days each).....per diem..</td><td>2.00</td><td>75 (temp.)</td><td>88 (temp.)</td></tr><tr><td colspan="4"><i>Wages:</i></td></tr><tr><td>Elevator machinist †.....per annum..</td><td>900.00</td><td></td><td>1</td></tr><tr><td>Miscellaneous temporary labor—</td><td></td><td></td><td></td></tr><tr><td>\$60 to \$25.....per month.....</td><td></td><td>27 (temp.)</td><td>12 (temp.)</td></tr><tr><td>\$3.50 to \$0.75.....per diem.....</td><td></td><td>23 (temp.)</td><td>12 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$7,700.00</td><td>\$9,141.22</td></tr><tr><td>Wages.....</td><td></td><td>4,300.00</td><td>2,455.20</td></tr><tr><td>Total.....</td><td></td><td>12,000.00</td><td>11,596.42</td></tr></tbody></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	<i>Salaries:</i>				Mechanical superintendent.....per annum..	\$2,500.00	<i>Number.</i>	<i>Number.</i>	Assistant in exhibits *.....do.....	2,000.00		1 (temp.)	Clerks, \$900 and \$720.....do.....		3 (temp.)	4 (temp.)	Folder.....do.....	900.00		1 (temp.)	Watchmen, \$720 and \$600.....do.....		20 (temp.)	23 (temp.)	Messenger boys, \$600 and \$360.....do.....		3 (temp.)	6 (temp.)	Relief watchmen (average service 35 days each).....per diem..	2.00	75 (temp.)	88 (temp.)	<i>Wages:</i>				Elevator machinist †.....per annum..	900.00		1	Miscellaneous temporary labor—				\$60 to \$25.....per month.....		27 (temp.)	12 (temp.)	\$3.50 to \$0.75.....per diem.....		23 (temp.)	12 (temp.)	Salaries.....		\$7,700.00	\$9,141.22	Wages.....		4,300.00	2,455.20	Total.....		12,000.00	11,596.42		
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1 clerk, \$720 per annum.																																																																						
Salaries, Office of Farm Management—																																																																						
(1) One chief of office (<i>R. S., p. 87, secs. 520-523; acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1; Mar. 4, 1917, vol. 39, p. 1135, sec. 1</i>)----	\$4,000.00																																																																					
(2) One assistant t to the chief (<i>same acts</i>)-----	2,520.00																																																																					
(3) One executive assistant (<i>same acts</i>)-----	2,250.00																																																																					
(4) Two clerks, class 4 (increase of 1 by transfer from lump fund) (<i>same acts</i>)-----	3,600.00																																																																					
(5) Two clerks, class 3 (<i>same acts</i>)-----	3,200.00																																																																					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of Farm Management—Continued.</i>		
(6) Three clerks, class 2 (<i>R. S.</i> , p. 87, secs. 520–523; acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1; Mar. 4, 1917, vol. 39, p. 1135, sec. 1) ..	\$4, 200. 00	
(7) Eight clerks, class 1 (increase of 2 by transfer from lump fund) (<i>same acts</i>)	9, 600. 00	
(8) Three clerks, at \$1,100 each (increase of 1 by transfer from lump fund) (<i>same acts</i>)	3, 300. 00	
(9) Two clerks, at \$1,080 each (increase of 1 in lieu of 1 lantern-slide colorist, \$720, and 1 laborer, \$360, dropped, as below) (<i>same acts</i>)	2, 160. 00	
NOTE.—This new place, in lieu of 1 lantern-slide colorist, at \$720, and 1 laborer, at \$360, dropped, is necessary in order to handle expeditiously the steadily increasing amount of field data of the office. The services of a lantern-slide colorist at \$720 are no longer needed, as the small amount of work of this character required by this office can be performed by employees in other branches of the department. It has been found impossible to secure a laborer at \$360, and it is therefore recommended that the place be dropped. These changes do not involve any actual increase.		
(10) One clerk or photographer (<i>same acts</i>)	1, 020. 00	
(11) Ten clerks, at \$1,000 each (increase of 1 by transfer from lump fund) (<i>same acts</i>)	10, 000. 00	
(12) Eighteen clerks, at \$900 each (increase of 6 by transfer from lump fund) (<i>same acts</i>)	16, 200. 00	
(13) Six clerks or map tracers, at \$840 each (increase of 2 by transfer from lump fund) (<i>same acts</i>)	5, 040. 00	
(14) Three clerks or map tracers, at \$720 each (<i>same acts</i>)	2, 160. 00	
(15) 【One lantern-slide colorist, \$720, dropped.】		
NOTE.—See note under item 9.		
(16) One messenger or laborer (<i>same acts</i>)	720. 00	
(17) One messenger, messenger boy, or laborer (<i>same acts</i>)	660. 00	
(18) Four messengers, messenger boys, or laborers, at \$480 each (increase of 1 by transfer from lump fund) (<i>same acts</i>)	1, 920. 00	
(19) 【One laborer, \$360, dropped.】		
NOTE.—See note under item 9.		
(20) Five charwomen, at \$240 each (increase of 1 by transfer from lump fund) (<i>same acts</i>)	1, 200. 00	
(21) One library assistant (<i>same acts</i>)	1, 440. 00	
(22) One library assistant (by transfer from lump fund) (<i>same acts</i>)	900. 00	
(23) One photographer (<i>same acts</i>)	1, 400. 00	
(24) One cartographer (<i>same acts</i>)	1, 500. 00	
(25) One draftsman (<i>same acts</i>)	1, 440. 00	
(26) One draftsman (<i>same acts</i>)	1, 200. 00	
(27) Two draftsmen, at \$900 each (<i>same acts</i>)	1, 800. 00	
	<u>\$83, 430. 00</u>	<u>\$68, 430. 00</u>

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Office of Farm Management—Continued.</i>		
NOTE.—Apparent increase, \$15,000; no actual increase, as follows:		
<i>New place.</i>		
1 clerk (in lieu of 1 lantern-slide colorist, \$720, and 1 laborer, \$360, dropped).....	\$1,080	
<i>Places dropped.</i>		
1 lantern-slide colorist.....	\$720	
1 laborer.....	360	
	1,080	
<i>Transfers from lump fund of this office, which fund has been correspondingly reduced.</i>		
1 clerk, class 4.....	1,800	
2 clerks, class 1.....	2,400	
1 clerk.....	1,100	
1 clerk.....	1,000	
6 clerks, at \$900 each.....	5,400	
2 clerks, at \$840 each.....	1,680	
1 messenger, messenger boy or laborer.....	480	
1 charwoman.....	240	
1 library assistant.....	900	
	15,000	
<i>General Expenses, Office of Farm Management—</i>		
(28) For the employment of persons in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and all other expenses necessary in carrying out the work herein authorized, as follows (<i>acts Mar. 4, 1915, vol. 38, p. 1087, sec. 1; Mar. 4, 1917, vol. 39, p. 1135, sec. 1</i>):		
(29) To investigate and encourage the adoption of improved methods of farm management and farm practice 【\$237,380】 (<i>same acts</i>)—\$221,660.00		
NOTE.—There is an apparent decrease in this item of \$15,720, due to transfers to the statutory roll of this office aggregating \$15,000 and the transfer of 1 watchman at \$720 to the statutory roll of the Secretary's office.		
Employees.	Rate.	Estimated, 1919.
		Expended, 1917.
Salaries:		
Chief*.....per annum..	\$4,000.00	Number.
Assistant chief.....do....	3,250.00	Number.
Assistant to the chief*.....do....	2,520.00	
Agriculturist.....do....	3,250.00	
Agriculturist.....do....	3,250.00	
Agriculturists.....do....	3,000.00	
Agriculturists.....do....	2,700.00	
Agriculturists.....do....	2,520.00	
Agriculturist.....do....	2,520.00	
Agriculturists.....do....	2,340.00	
Agriculturists.....do....	2,400.00	
Agriculturists.....do....	2,200.00	
Agriculturists.....do....	2,220.00	
Agriculturists.....do....	2,000.00	
Statistical expert.....do....	2,200.00	
Assistant agriculturist.....do....	2,280.00	
Assistant agriculturist.....do....	2,280.00	
Assistant agriculturist.....do....	2,040.00	
Assistant agriculturist.....do....	2,040.00	
Assistant agriculturist.....do....	1,800.00	
Assistant agriculturist.....do....	2,000.00	
Assistant agriculturists.....do....	1,980.00	
Assistant agriculturists.....do....	1,800.00	
Assistant agriculturist.....do....	1,620.00	
Scientific assistant.....do....	1,880.00	
	1,620.00	

*Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Office of Farm Management—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		<i>Number.</i>	<i>Number.</i>		
Scientific assistants.....per annum..	\$1,800.00	5	5		
Scientific assistants.....do....	1,620.00	14	8		
Scientific assistants.....do....	1,440.00	4	3		
Assistant.....do....	2,280.00	1	..		
Assistant.....do....	2,220.00	1	1		
Assistant.....do....	2,100.00	..	1 (temp.)		
Assistants.....do....	2,040.00	1	2 (1 temp.)		
Assistant.....do....	2,000.00	..	1 (temp.)		
Assistants.....do....	1,800.00	1	3 (2 temp.)		
Assistants.....do....	1,620.00	5	5		
Farm help specialists.....do....	1,800.00	..	3 (temp.)		
Farm help specialist.....do....	1,620.00	..	1 (temp.)		
Farm help specialists.....do....	1,500.00	..	5 (temp.)		
Farm help specialists.....do....	1,440.00	..	2 (temp.)		
Farm help specialist.....do....	1,200.00	..	1 (temp.)		
Agent.....do....	1,400.00	1	1		
Editor.....do....	2,250.00	..	1		
Library assistant.....do....	1,440.00	..	1 (temp.)		
Draftsman.....do....	1,200.00	..	1 (temp.)		
Computer.....do....	1,400.00	..	1 (temp.)		
Statistical clerk.....do....	1,200.00	1	1		
Clerks†.....do....	1,800.00	..	2 (1 temp.)		
Clerk.....do....	1,400.00	..	1 (temp.)		
Clerk*.....do....	1,200.00	..	1		
Clerk†.....do....	1,200.00	..	1		
Clerk†.....do....	1,100.00	..	1		
Clerk†.....do....	1,000.00	..	1		
Clerks*.....do....	900.00	..	10		
Clerks†.....do....	900.00	..	2		
Agriculturist, field assistants, agents, collaborators, clerks, draftsmen, watchmen, messengers, messenger boys and charwomen—					
\$900 to \$1.....do....		20	61 (51 temp.)		
\$2.50 to \$1.50.....per diem..		..	9 (temp.)		
Wages:					
Temporary laborers and painters—					
\$3.50 to \$1.50.....do....		..	4		
Salaries.....		\$159,779.00	\$162,627.05		
Wages.....			335.00		
Other objects of expenditure:					
Stationery.....		3,000.00	2,605.73		
Traveling expenses.....		52,710.00	34,139.52		
Equipment and material.....		3,471.00	6,361.00		
Miscellaneous items.....		2,700.00	3,982.85		
Total.....		221,660.00	210,051.15		
*Transferred to statutory roll in Agricultural act for 1918.					
†Recommended for transfer to statutory roll in estimates for 1919.					
In all, for general expenses.....				\$221,660.00	\$237,380.00
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i>					
GENERAL EXPENSES—OFFICE OF FARM MANAGEMENT.					
2 clerks, at \$1,800 per annum each.					
1 clerk, \$1,400 per annum.					
4 clerks, at \$1,200 per annum each.					
4 clerks, at \$1,100 per annum each.					
1 clerk, \$1,080 per annum.					
2 clerks, at \$1,000 per annum each.					
16 clerks, at \$900 per annum each.					
1 clerk, \$840 per annum.					
4 clerks, at \$60 per month each.					
45 clerks, at \$3 per diem each.					
13 clerks, at \$2.50 per diem each.					
Total for office of the Secretary of Agriculture.....				770,210.00	717,820.00
Appropriations for 1903.....	\$132,900	Estimates for 1910.....	\$162,300		
Appropriations for 1910.....	174,570	Estimates for 1911.....	198,770		
Appropriations for 1911.....	229,870	Estimates for 1912.....	276,650		
Appropriations for 1912.....	276,450	Estimates for 1913.....	287,300		
Appropriations for 1913.....	292,280	Estimates for 1914.....	303,570		
Appropriations for 1914.....	303,820	Estimates for 1915.....	332,380		
Appropriations for 1915.....	339,880	Estimates for 1916.....	*635,360		
Appropriations for 1916.....	*623,120	Estimates for 1917.....	*698,450		
Appropriations for 1917.....	*688,100	Estimates for 1918.....	*757,880		
Appropriations for 1918.....	*717,820	Estimates for 1919.....	*770,210		
* Includes Office of Farm Management.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
WEATHER BUREAU.		
<i>Salaries, Weather Bureau—</i>		
(1) One chief of bureau (<i>R. S.</i> , p. 87, secs. 520-523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5; Mar. 4, 1917, vol. 39, p. 1136, sec. 1) ..	\$5, 000. 00	
(2) One assistant chief of bureau (<i>same acts</i>)	3, 250. 00	
(3) One chief clerk (<i>same acts</i>)	2, 500. 00	
(4) One chief of division of stations and accounts (<i>same acts</i>)	2, 750. 00	
(5) One chief of printing division (<i>same acts</i>)	2, 500. 00	
(6) Three chiefs of division, at \$2,000 each (<i>same acts</i>)	6, 000. 00	
(7) Eight clerks, class 4 (<i>same acts</i>)	14, 400. 00	
(8) Eleven clerks, class 3 (<i>same acts</i>)	17, 600. 00	
(9) Twenty-three clerks, class 2 (<i>same acts</i>)	32, 200. 00	
(10) Thirty-one clerks, class 1 (<i>same acts</i>)	37, 200. 00	
(11) Twenty-two clerks, at \$1,000 each (<i>same acts</i>)	22, 000. 00	
(12) Ten clerks, at \$900 each (<i>same acts</i>)	9, 000. 00	
(13) One foreman of printing (<i>same acts</i>)	1, 600. 00	
(14) One lithographer (<i>same acts</i>)	1, 500. 00	
(15) Three lithographers, at \$1,200 each (<i>same acts</i>)	3, 600. 00	
(16) One pressman (<i>same acts</i>)	1, 200. 00	
(17) One printer or compositor (<i>same acts</i>)	1, 440. 00	
(18) Five printers or compositors, at \$1,350 each (<i>same acts</i>)	6, 750. 00	
(19) Fourteen printers or compositors, at \$1,300 each (<i>same acts</i>)	18, 200. 00	
(20) One printer or compositor (<i>same acts</i>)	1, 200. 00	
(21) Six printers or compositors, at \$1,080 each (<i>same acts</i>)	6, 480. 00	
(22) Five printers or compositors, at \$1,000 each (<i>same acts</i>)	5, 000. 00	
(23) Four folders and feeders, at \$720 each (<i>same acts</i>)	2, 880. 00	
(24) One [chief] instrument maker (change of title) (<i>same acts</i>)	1, 440. 00	
NOTE.—The word "chief" in the title of this position is misleading and should be eliminated. The employee occupying this place is not in charge of the instrument shop of the bureau, his work and that of the other shop employees being supervised by a meteorologist.		
(25) Three instrument makers, at \$1,300 each (<i>same acts</i>)	3, 900. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Weather Bureau—Continued.</i>		
(26) One instrument maker (submitted; by transfer from lump fund for aerological stations, Army appropriation act)	\$1, 260. 00	
NOTE.—This place is transferred from the lump fund for aerological stations, which fund has been correspondingly reduced. The item for aerological stations is carried in the army appropriation act for 1918 but has been recommended for transfer to the agricultural appropriation bill in these estimates. (See item 56.)		
(27) Three skilled mechanics, at \$1,200 each (<i>R. S., p. 87, secs. 520–523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5; Mar. 4, 1917, vol. 39, p. 1136, sec. 1</i>)	3, 600. 00	
(28) Five skilled mechanics, at \$1,000 each (<i>same acts</i>)	5, 000. 00	
(29) One skilled mechanic (<i>same acts</i>)	840. 00	
(30) One skilled mechanic (<i>same acts</i>)	720. 00	
(31) Six skilled artisans, at \$840 each (<i>same acts</i>)	5, 040. 00	
(32) One engineer (<i>same acts</i>)	1, 300. 00	
(33) One fireman and steam fitter (<i>same acts</i>)	840. 00	
(34) Four firemen, at \$720 each (<i>same acts</i>)	2, 880. 00	
(35) One captain of the watch (<i>same acts</i>)	1, 000. 00	
(36) One electrician (<i>same acts</i>)	1, 200. 00	
(37) One gardener (<i>same acts</i>)	1, 000. 00	
(38) Four repairmen, at \$840 each (<i>same acts</i>)	3, 360. 00	
(39) Six repairmen, at \$720 each (<i>same acts</i>)	4, 320. 00	
(40) Four watchmen, at \$720 each (<i>same acts</i>)	2, 880. 00	
(41) Eighteen messengers, messenger boys, or laborers, at \$720 each (<i>same acts</i>)	12, 960. 00	
(42) Six messengers, messenger boys, or laborers, at \$660 each (<i>same acts</i>)	3, 960. 00	
(43) Thirty-one messengers, messenger boys, or laborers, at \$600 each (<i>same acts</i>)	18, 600. 00	
(44) Ninety-nine messengers, messenger boys, or laborers, at \$480 each (increase of 35, in lieu of 5 messengers, messenger boys, or laborers, at \$450 each, 4 messengers, messenger boys, or laborers, at \$360 each, and 37 messenger boys, at \$360 each, dropped, as below with net decrease of \$210) (<i>same acts</i>)	47, 520. 00	
NOTE.—This change involves an increase of 35 in the number of messenger boys at \$480, in lieu of 5 places at \$450 and 41 places at \$360, dropped, with a net decrease of \$210. This readjustment in the salaries of the messenger force is necessary in order to secure satisfactory service. During the past year there have been 39 vacancies by resignations in the \$360 and \$450 grades, the employees in practically every case being able to secure employment elsewhere at higher salaries. While this readjustment will deprive the bureau of the services of 11 messengers, it is believed that the proposed salary will permit the employment and retention of a better class of messengers and in the end promote efficiency in the conduct of the work. No promotions are involved in these changes.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Weather Bureau—Continued.</i>		
(45) 【 Five messengers, messenger boys, or laborers, at \$450 each, dropped. 】		
NOTE.—See note under item 44.		
(46) 【 Four messengers, messenger boys, or laborers, at \$360 each, dropped. 】		
NOTE.—See note under item 44.		
(47) 【 Thirty-seven messenger boys, at \$360 each, dropped. 】		
NOTE.—See note under item 44.		
(48) One charwoman (<i>R. S., p. 87, secs. 520–523; acts Oct. 1, 1890, vol. 26, p. 653, secs. 4, 5; Mar. 4, 1917, vol. 39, p. 1136, sec. 1</i>)-----	\$360. 00	
(49) Three charwomen, at \$240 each (<i>same acts</i>)-----	720. 00	
	\$328, 950. 00	\$327, 900.00
Appropriations for 1909..... \$202, 510	Estimates for 1910..... \$204, 310	
Appropriations for 1910..... 215, 310	Estimates for 1911..... 206, 150	
Appropriations for 1911..... 206, 150	Estimates for 1912..... 342, 800	
Appropriations for 1912..... 313, 170	Estimates for 1913..... 317, 120	
Appropriations for 1913..... 315, 930	Estimates for 1914..... 331, 240	
Appropriations for 1914..... 325, 860	Estimates for 1915..... 328, 270	
Appropriations for 1915..... 327, 270	Estimates for 1916..... 324, 640	
Appropriations for 1916..... 332, 900	Estimates for 1917..... 341, 210	
Appropriations for 1917..... 336, 060	Estimates for 1918..... 312, 230	
Appropriations for 1918..... 327, 900	Estimates for 1919..... 328, 950	
NOTE.—Apparent increase, \$1,050, actual increase, \$1,050; as follows:		
<i>Transfer from lump fund for aerological stations, which fund has been correspondingly reduced. The item for aerological stations is carried in the Army appropriation act for 1918, but is recommended for transfer to the Agricultural appropriation bill in these estimates.</i>		
1 instrument maker, from aerological stations.....	\$1, 260	
<i>Places dropped.</i>		
5 messengers, messenger boys or laborers, at \$450 each.....	\$2, 250	
4 messengers, messenger boys or laborers, at \$360 each.....	1, 440	
37 messenger boys, at \$360 each.....	13, 320	
	17, 010	
<i>New places.</i>		
35 messengers, messenger boys or laborers, at \$480 each (in lieu of 5 messengers, messenger boys or laborers, at \$450 each; 4 messengers, messenger boys or laborers, at \$360 each, and 37 messenger boys, at \$360 each, dropped).....	16, 800	
	210	
Actual increase.....	1, 050	
<i>Change of title.</i>		
1 instrument maker, \$1,440, in lieu of 1 chief instrument maker, \$1,440.		
<i>General Expenses, Weather Bureau—</i>		
(50) For carrying into effect in the District of Columbia and elsewhere in the United States, in the West Indies, in the Panama Canal, the Caribbean Sea, and on adjacent coasts, in the Hawaiian Islands, in Bermuda, and in Alaska, the provisions of an act approved October first, eighteen hundred and ninety, so far as they relate to the weather service transferred thereby to the Department of Agriculture, for the employment of professors of meteorology, district forecasters, local forecasters,		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																							
General Expenses, Weather Bureau—Continued.																																																																																																																									
meteorologists, section directors, observers, apprentices, operators, skilled mechanics, instrument makers, foremen, assistant foremen, proof readers, compositors, pressmen, lithographers, folders and feeders, repairmen, station agents, messengers, messenger boys, laborers, special observers, displaymen, and other necessary employees; for fuel, gas, electricity, freight and express charges, furniture, stationery, ice, dry goods, twine, mats, oil, paints, glass, lumber, hardware, and washing towels; for advertising; for purchase, subsistence, and care of horses and vehicles, the purchase and repair of harness, for official purposes only; for instruments, shelters, apparatus, storm-warning towers and repairs thereto; for rent of offices; for repairs and improvements to existing buildings and care and preservation of grounds, including the construction of necessary outbuildings and sidewalks on public streets abutting Weather Bureau grounds; and the erection of temporary buildings for living quarters of observers; for official traveling expenses; for telephone rentals and for telegraphing, telephoning, and cabling reports and messages, rates to be fixed by the Secretary of Agriculture by agreements with the companies performing the service; for the maintenance and repair of Weather Bureau telegraph, telephone, and cable lines; and for every other expenditure required for the establishment, equipment, and maintenance of meteorological offices and stations and for the issuing of weather forecasts and warnings of storms, cold waves, frosts, and heavy snows, the gauging and measuring of the flow of rivers and the issuing of river forecasts and warnings; for observations and reports relating to crops and for other necessary observations and reports, including cooperation with other bureaus of the Government and societies and institutions of learning for the dissemination of meteorological information, as follows (<i>acts Oct. 1, 1890, vol. 26, p. 53, sec. 1; Mar. 4, 1917, vol. 39, pp. 1136, 1137, sec. 1</i>):																																																																																																																									
(51) For necessary expenses in the city of Washington incident to collecting and disseminating meteorological, climatological, and marine information, and for investigations in meteorology, climatology, seismology, evaporation, and aerology (<i>same acts</i>)—\$109,250.00																																																																																																																									
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Professors of meteorology.....per annum..</td><td>\$3,500.00</td><td>3</td><td>3</td></tr><tr><td>Professor of meteorology.....do....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>District forecaster.....do....</td><td>3,500.00</td><td>1</td><td>1</td></tr><tr><td>Climatologist and chief of division.....do....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologist.....do....</td><td>3,500.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologist.....do....</td><td>3,250.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologist.....do....</td><td>3,240.00</td><td>1</td><td>..</td></tr><tr><td>Meteorologists.....do....</td><td>2,880.00</td><td>1</td><td>2</td></tr><tr><td>Meteorologists.....do....</td><td>1,800.00</td><td>3</td><td>3</td></tr><tr><td>Meteorologist.....do....</td><td>1,800.00</td><td rowspan="2">1</td><td>1</td></tr><tr><td>Meteorologist.....do....</td><td>1,500.00</td><td>1</td></tr><tr><td>Meteorologist.....do....</td><td>1,620.00</td><td>1</td><td>1</td></tr><tr><td>Meteorologist.....do....</td><td>1,600.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Observer.....do....</td><td>1,000.00</td><td>1</td><td>1</td></tr><tr><td>Observers.....do....</td><td>1,200.00</td><td>1</td><td>2 (1 temp.)</td></tr><tr><td>Assistant observer.....do....</td><td>1,000.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Assistant observer.....do....</td><td>1,000.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerks.....do....</td><td>1,000.00</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Topographic draftsman.....do....</td><td>1,000.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Topographic draftsmen.....do....</td><td>900.00</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Storm-warning displayman.....per month..</td><td>10.00</td><td>1</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$43,210.00</td><td>\$43,580.23</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>2,050.00</td><td>1,630.40</td></tr><tr><td>Equipment and material.....</td><td></td><td>6,500.00</td><td>4,113.29</td></tr><tr><td>Telephone and telegraph service.....</td><td></td><td>37,200.00</td><td>35,308.50</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>20,300.00</td><td>21,413.56</td></tr><tr><td>Total.....</td><td></td><td>109,250.00</td><td>106,045.98</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		Number.	Number.	Professors of meteorology.....per annum..	\$3,500.00	3	3	Professor of meteorology.....do....	2,520.00	1	1	District forecaster.....do....	3,500.00	1	1	Climatologist and chief of division.....do....	2,520.00	1	1	Meteorologist.....do....	3,500.00	1	1	Meteorologist.....do....	3,250.00	1	1	Meteorologist.....do....	3,240.00	1	..	Meteorologists.....do....	2,880.00	1	2	Meteorologists.....do....	1,800.00	3	3	Meteorologist.....do....	1,800.00	1	1	Meteorologist.....do....	1,500.00	1	Meteorologist.....do....	1,620.00	1	1	Meteorologist.....do....	1,600.00	..	1 (temp.)	Observer.....do....	1,000.00	1	1	Observers.....do....	1,200.00	1	2 (1 temp.)	Assistant observer.....do....	1,000.00	..	1 (temp.)	Assistant observer.....do....	1,000.00	..	1 (temp.)	Clerks.....do....	1,000.00	..	2 (temp.)	Topographic draftsman.....do....	1,000.00	..	1 (temp.)	Topographic draftsmen.....do....	900.00	..	2 (temp.)	Storm-warning displayman.....per month..	10.00	1	1	Salaries.....		\$43,210.00	\$43,580.23	Other objects of expenditure:				Stationery.....		2,050.00	1,630.40	Equipment and material.....		6,500.00	4,113.29	Telephone and telegraph service.....		37,200.00	35,308.50	Miscellaneous items.....		20,300.00	21,413.56	Total.....		109,250.00	106,045.98		
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																				
<i>General Expenses, Weather Bureau—Continued.</i>																																						
(52) For the maintenance of a printing office in the city of Washington for the printing of weather maps, bulletins, circulars, forms, and other publications, including the pay of additional employees, when necessary, \$12,800: <i>Provided</i> , That no printing shall be done by the Weather Bureau that, in the judgment of the Secretary of Agriculture, can be done at the Government Printing Office without impairing the service of said bureau (<i>acts Oct. 1, 1890, vol. 26, p. 53, sec. 1; Mar. 4, 1917, vol. 39, pp. 1136, 1137, sec. 1</i>) -----	\$12,800.00																																					
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salary:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Lithographer.....per annum..</td><td>\$1,200.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td></td><td>\$133.33</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>\$10,800.00</td><td>10,551.19</td></tr><tr><td>Equipment and material.....</td><td></td><td>650.00</td><td>514.21</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,350.00</td><td>1,600.17</td></tr><tr><td>Total.....</td><td></td><td>12,800.00</td><td>12,798.90</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salary:		<i>Number.</i>	<i>Number.</i>	Lithographer.....per annum..	\$1,200.00	..	1 (temp.)	Salaries.....			\$133.33	Other objects of expenditure:				Stationery.....		\$10,800.00	10,551.19	Equipment and material.....		650.00	514.21	Miscellaneous items.....		1,350.00	1,600.17	Total.....		12,800.00	12,798.90		
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(53) For necessary expenses outside of the city of Washington incident to collecting and disseminating meteorological, climatological, and marine information, and for investigations in meteorology, climatology, seismology, evaporation, and aerology, [\$1,301,190] \$1,302,690, including not to exceed [\$662,500] \$665,500 for salaries, \$130,040 for special observations and reports, and [\$294,750] \$295,750 for telegraphing and telephoning (<i>same acts</i>) -----	1,302,690.00																																					
<p>NOTE.—There is an apparent increase in this item of \$1,500. The total amount recommended includes \$6,500 for the Greenville, S. C., station, and the specific item for that station has been omitted. The Greenville station is similar to other stations located throughout the country, and the accounting and other work of the bureau would be simplified by handling the expenses for this station in the same manner as the expenses of other stations are handled. The total increase in this item is only \$1,500 and is explained by the fact that the amount to be allotted next year for frost-protection studies has been decreased from \$10,000 to \$5,000. The following table shows the changes proposed:</p>																																						
<table><tr><th></th><th>1918</th><th>1919</th><th>Increase.</th><th>Decrease.</th></tr><tr><td>Salaries.....</td><td>\$662,500</td><td>\$665,500</td><td>¹ \$3,000</td><td></td></tr><tr><td>Special observations and reports.....</td><td>130,040</td><td>130,040</td><td></td><td></td></tr><tr><td>Telegraphing and telephoning.....</td><td>294,750</td><td>295,750</td><td>¹ 1,000</td><td></td></tr><tr><td>Miscellaneous.....</td><td>213,930</td><td>211,400</td><td>¹ 2,500</td><td>² \$5,000</td></tr><tr><td>Total.....</td><td>1,301,190</td><td>1,302,690</td><td>1,500</td><td></td></tr></table>		1918	1919	Increase.	Decrease.	Salaries.....	\$662,500	\$665,500	¹ \$3,000		Special observations and reports.....	130,040	130,040			Telegraphing and telephoning.....	294,750	295,750	¹ 1,000		Miscellaneous.....	213,930	211,400	¹ 2,500	² \$5,000	Total.....	1,301,190	1,302,690	1,500									
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Weather Bureau—Continued.</i>		
<p>With the Greenville station item eliminated there is an actual reduction in total funds for the Weather Bureau field service, as compared with 1918, of \$5,000. The frost-protection investigations are now under way, the principal activity during the present year occurring at the time of the fall frosts, to be followed by similar work at the time of the spring frosts next year. Orchardists have been compelled to curtail the utilization of protective methods on account of the existing situation, and other considerations, and the present time is not the most favorable for the conduct of this investigation. This accounts for the fact that the estimate for next year has been reduced from \$10,000 to \$5,000, with which sum it will be possible to continue the preliminary line of inquiry contemplated in this general survey of frost-protection methods and enable the bureau to state with some definiteness the general circumstances and conditions under which it is practicable and economically profitable to undertake artificial methods for protection from frost injuries.</p>		
<i>Station salaries.</i>		
Employees.	Rate.	Estimated, 1919. Expended, 1917.
Salaries:		<i>Number.</i> <i>Number.</i>
Professor of meteorology.....per annum..	\$3,500.00	1
District forecaster.....do....	3,240.00	1
District forecasters.....do....	2,880.00	2
Meteorologist.....do....	2,880.00	1
Meteorologists.....do....	2,520.00	8
Meteorologists.....do....	2,280.00	11
Meteorologists.....do....	2,160.00	4
Meteorologists.....do....	2,040.00	7
Meteorologists.....do....	2,000.00	3
Meteorologists.....do....	1,800.00	30
Meteorologists.....do....	1,620.00	29
Meteorologist.....do....	1,620.00	1
Meteorologists.....do....	1,440.00	23
Meteorologist.....do....	1,440.00	1
Meteorologists and observers.....do....	1,440.00	27
Section directors and local forecasters.....do....	1,560.00	10
Section director.....do....	1,000.00	1
Local forecasters.....do....	1,380.00	2
Local forecasters (half time).....do....	1,000.00	2
Observers.....do....	1,440.00	21
Observers.....do....	1,440.00	2
Observer.....do....	1,440.00	1
Observer.....do....	1,200.00	1
Observers.....do....	1,380.00	4
Observers.....do....	1,380.00	2
Observers.....do....	1,260.00	39
Observers.....do....	1,260.00	2
Observers.....do....	1,200.00	64 (5 temp.)
Observers.....do....	1,200.00	4
Observers and assistant observers.....do....	1,080.00	29
Assistant observer.....do....	1,260.00	1
Assistant observer.....do....	1,200.00	1
Assistant observers.....do....	1,080.00	54
Assistant observers.....do....	1,080.00	11
Assistant observers.....do....	900.00	1
Assistant observers.....do....	1,000.00	2 (1 temp.)
Assistant observers, \$900 to \$600.....do....		91 (4 half time.)
Printers, \$1,200 and \$1,080.....do....		2 (temp.)
Vessel reporters, apprentices, student assistants, and messenger boys, \$840 to \$360.....do....		51 (17 temp.)
Emergency assistant observers, printers, and messenger boys, \$4.42 to \$1...per diem..		134 (temp.)
Wages:		
Unskilled laborers,* \$900 and \$720...per annum..		2
Salaries.....	\$665,500.00	\$619,305.96
Wages.....		1,620.00
Total.....	665,500.00	620,925.96

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Weather Bureau—Continued.</i>					
<i>Special observations and reports.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
River observers, at salaries ranging from \$16 to \$1 per month, period of service varying from 3 to 12 months; average salary.....per annum..	\$75.00	465	465		
Rainfall observers, at salaries ranging from \$1 to \$3 per month, period of service varying from 6 to 12 months; average salary.....per annum..	35.00	180	180		
Flood-warning distributors, \$2 for each flood.....		9	9		
Mountain snowfall observers, at salaries ranging from \$20 to \$3 per month, period of service varying from 6 to 12 months; average salary.....per annum..	55.00	190	188		
Storm-warning displaymen, at salaries ranging from \$25 to \$4 per month, period of service varying from 6 to 12 months; average salary.....per annum..	100.00	190	190		
Cattle, cotton, and other crop observers, at salaries ranging from \$25 to \$4 per month, period of service varying from 6 to 12 months; average salary.....per annum..	61.00	475	475		
Special meteorological observers, at salaries ranging from \$50 to \$5 per month, period of service 12 months; average salary.....per annum..	275.00	40	40		
Special marine observers, at 50 cents per observation, average salary.....per annum..	100.00	48	48		
Hurricane observers, at salaries ranging from \$40 to \$11 per month, period of service varying from 5½ to 12 months; average salary.....per annum..	35.00	11	11		
Salaries.....		\$107,500.00	\$102,029.96		
Other objects of expenditure:					
Equipment and material.....		8,040.00	5,302.30		
Miscellaneous items.....		14,500.00	7,541.06		
Total.....		130,040.00	114,873.32		
<i>Telegraphing and telephoning.</i>					
Other objects of expenditure.		Estimated, 1919.	Expended, 1917.		
Telegraph and telephone service.....		\$235,750.00	\$247,707.54		
<i>Miscellaneous station expenses.</i>					
Other objects of expenditure.		Estimated, 1919.	Expended, 1917.		
Stationery.....		\$20,000.00	\$20,609.70		
Equipment and material.....		90,400.00	110,050.27		
Miscellaneous items.....		101,000.00	130,233.43		
Total.....		211,400.00	260,893.40		
(54) For official traveling expenses (<i>acts Oct. 1, 1890, vol. 26, p. 53, sec. 1; Mar. 4, 1917, vol. 39, pp. 1136, 1137, sec. 1</i>).....				\$25,500.00	
Other objects of expenditure.		Estimated, 1919.	Expended, 1917.		
Traveling expenses.....		\$25,500.00	\$21,824.69		
(55) [For the establishment, equipment, and maintenance of a Weather Bureau station at Greenville, South Carolina, \$6,500, or so much thereof as may be necessary.]					
NOTE.—This item has been incorporated in the subappropriation for "expenses outside of Washington" (see item 53).					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																												
General Expenses, Weather Bureau—Continued.																																																																																	
(56) For the establishment and maintenance by the Weather Bureau of additional aerological stations, for observing, measuring, and investigating atmospheric phenomena in the aid of aeronautics, including salaries, travel, and other expenses in the city of Washington and elsewhere (submitted)				\$98,740. 00																																																																													
NOTE.—This item is now carried in the army appropriation act for 1918, but, as the work is performed under the direction of the Secretary of Agriculture, it is believed that the item should be transferred to the agricultural appropriation act. The amount appropriated for the current fiscal year is \$160,000, but, as it is proposed to transfer to the statutory roll of the Weather Bureau an instrument maker at \$1,260, whose salary has been paid from this fund, the amount has been reduced in the present estimates to \$98,740.																																																																																	
<table><tr><td>Employees.</td><td>Rate.</td><td>Estimated, 1919.</td><td>Expended, 1917.*</td></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Meteorologistper annum..</td><td>\$3,240.00</td><td>1</td><td>..</td></tr><tr><td>Meteorologists.....do....</td><td>1,800.00</td><td>2</td><td>..</td></tr><tr><td>Meteorologists.....do....</td><td>1,620.00</td><td>3</td><td>..</td></tr><tr><td>Observers.....do....</td><td>1,440.00</td><td>2</td><td>..</td></tr><tr><td>Observers.....do....</td><td>1,260.00</td><td>6</td><td>..</td></tr><tr><td>Assistant observers.....do....</td><td>1,080.00</td><td>10</td><td>..</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor, \$70 to \$60.....per month..</td><td></td><td>7</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$32,940.00</td><td></td></tr><tr><td>Wages.....</td><td></td><td>5,400.00</td><td></td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>1,600.00</td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>5,000.00</td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>25,000.00</td><td></td></tr><tr><td>Telegraph and telephone service.....</td><td></td><td>2,000.00</td><td></td></tr><tr><td>Miscellaneous items.....</td><td></td><td>26,800.00</td><td></td></tr><tr><td>Total.....</td><td></td><td>98,740.00</td><td></td></tr></table>						Employees.	Rate.	Estimated, 1919.	Expended, 1917.*	Salaries:		Number.	Number.	Meteorologistper annum..	\$3,240.00	1	..	Meteorologists.....do....	1,800.00	2	..	Meteorologists.....do....	1,620.00	3	..	Observers.....do....	1,440.00	2	..	Observers.....do....	1,260.00	6	..	Assistant observers.....do....	1,080.00	10	..	Wages:				Miscellaneous temporary labor, \$70 to \$60.....per month..		7	..	Salaries.....		\$32,940.00		Wages.....		5,400.00		Other objects of expenditure:				Stationery.....		1,600.00		Traveling expenses.....		5,000.00		Equipment and material.....		25,000.00		Telegraph and telephone service.....		2,000.00		Miscellaneous items.....		26,800.00		Total.....		98,740.00	
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*No appropriation for fiscal year 1917.																																																																																	
(57) For repairing, renewing, and improving seacoast telegraph and cable lines (submitted)				25,000. 00																																																																													
NOTE.—This new item is submitted in order to enable the Weather Bureau to purchase a reasonable quantity of cable to be used from time to time in making important repairs to various cable lines maintained by the bureau. Surplus cable available in prior years for repairs has been exhausted. Owing to the present state of the market it would be impossible to procure cable promptly should a break or interruption occur in any one of the cables. In any case, great delay would be certain to follow an interruption of communication unless a reserve supply of cable can be procured in advance to have in readiness to effect repairs when necessity arises. The cable and telegraph lines of the Weather Bureau are located at the most important and remote seacoast points not otherwise connected with commercial telegraph and telephone systems. All are used in the transmission of important meteorological observations, vessel reports, marine intelligence, etc. Under present war conditions, the service over these lines is of added importance by reason of the close cooperation of the coastal service of the Weather Bureau with the Naval Coast Patrol and the Coast Guard.																																																																																	
<table><tr><td>Other objects of expenditure.</td><td>Estimated, 1919.</td><td>Expended, 1917.*</td></tr><tr><td>Equipment and material.....</td><td>\$25,000.00</td><td></td></tr></table>						Other objects of expenditure.	Estimated, 1919.	Expended, 1917.*	Equipment and material.....	\$25,000.00																																																																							
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Equipment and material.....	\$25,000.00																																																																																
*No appropriation for fiscal year 1917.																																																																																	
In all, for general expenses.....				\$1,573,980.00	\$1,455,240.00																																																																												

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.						Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Weather Bureau—Continued.</i>							
Appropriations for 1909.....	\$852,000	Estimates for 1910.....	\$1,412,950				
Appropriations for 1910.....	1,277,950	Estimates for 1911.....	1,277,110				
Appropriations for 1911.....	1,293,610	Estimates for 1912.....	1,283,310				
Appropriations for 1912.....	1,262,080	Estimates for 1913.....	1,268,330				
Appropriations for 1913.....	1,278,750	Estimates for 1914.....	1,310,250				
Appropriations for 1914.....	1,356,750	Estimates for 1915.....	1,317,000				
Appropriations for 1915.....	1,340,000	Estimates for 1916.....	1,379,110				
Appropriations for 1916.....	1,333,150	Estimates for 1917.....	1,457,400				
Appropriations for 1917.....	1,411,200	Estimates for 1918.....	1,512,800				
Appropriations for 1918.....	1,455,240	Estimates for 1919.....	1,573,980				
<i>Statement of proposed expenditures from the above appropriations for general expenses, Weather Bureau, for the fiscal year ending June 30, 1919, for the maintenance, repair, and operation of horse-drawn passenger-carrying vehicles, as required by sec. 5 of the act of July 16, 1914 (38 Stat., p. 508).</i>							
Bureau.	Horse-drawn or motor-propelled.	Appropriation.	Maintenance, repair, and operation.			Public purpose for which intended.	Officials and employees by whom used.
			Number.	Description.	Amount.		
Weather Bureau.	Horse-drawn.	General Expenses, Weather Bureau.	1	Surrey.	\$375.00	Administrative work of bureau.	Chief and acting chief, Washington, D. C.
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i>							
GENERAL EXPENSES—WEATHER BUREAU.							
2 clerks, at \$1,000 per annum each.							
Total for Weather Bureau.....						\$1,902,930.00	\$1,783,140.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF ANIMAL INDUSTRY.		
<i>Salaries, Bureau of Animal Industry—</i>		
(1) One chief of bureau (<i>R. S.</i> , p. 87, <i>secs.</i> 520–523; <i>acts</i> Mar. 29, 1884, vol. 23, p. 31, <i>secs.</i> 1–11; Mar. 4, 1917, vol. 39, p. 1137, <i>sec.</i> 1) -----	\$5,000.00	
(2) One chief clerk (<i>same acts</i>) -----	2,500.00	
(3) One editor and compiler (<i>same acts</i>) -----	2,250.00	
(4) One executive assistant (<i>same acts</i>) -----	2,500.00	
(5) Two executive clerks, at \$2,000 each (<i>same acts</i>) -----	4,000.00	
(6) Six clerks, class 4 (<i>same acts</i>) -----	10,800.00	
(7) One clerk (<i>same acts</i>) -----	1,680.00	
(8) Fourteen clerks, class 3 (<i>same acts</i>) -----	22,400.00	
(9) One assistant in live-stock investigations (<i>same acts</i>) -----	1,600.00	
(10) Two clerks, at \$1,500 each (<i>same acts</i>) -----	3,000.00	
(11) Twenty-six clerks, class 2 (increase of 2 by transfer from lump funds for inspection and quarantine and control of viruses) (<i>same acts</i>) -----	36,400.00	
(12) Two clerks, at \$1,380 (<i>same acts</i>) -----	2,760.00	
(13) Three clerks, at \$1,320 each (<i>same acts</i>) -----	3,960.00	
(14) One clerk (<i>same acts</i>) -----	1,300.00	
(15) Two clerks, at \$1,260 each (increase of 1 by transfer from lump fund for inspection and quarantine) (<i>same acts</i>) -----	2,520.00	
(16) Ninety-five clerks, class 1 (increase of 44, 2 by transfer from lump fund for inspection and quarantine, 7 from eradicating cattle ticks, 6 from dairy industry, 11 from animal husbandry, 1 from poultry feeding and breeding, 3 from hog cholera, 3 from control of viruses, 1 from dourine, and 10 from meat inspection) (<i>same acts</i>) -----	114,000.00	
(17) One clerk (<i>same acts</i>) -----	1,100.00	
(18) One clerk (<i>same acts</i>) -----	1,080.00	
(19) Ten clerks, at \$1,020 each (2 by transfer from lump fund for inspection and quarantine, 1 from eradicating cattle ticks, 2 from dairy industry, 1 from animal husbandry, and 4 from meat inspection) (<i>same acts</i>) -----	10,200.00	
(20) Sixty-five clerks, at \$1,000 each (increase of 6, 1 by transfer from lump fund for inspection and quarantine, 1 from eradicating cattle ticks, 2 from dairy industry, and 2 from meat inspection) (<i>same acts</i>) -----	65,000.00	
(21) Two clerks, at \$960 each (<i>same acts</i>) -----	1,920.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
(22) Fifty-five clerks, at \$900 each (50 dropped) (<i>R. S., p. 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11; Mar. 4, 1917, vol. 39, p. 1137, sec. 1</i>) -----	\$49,500.00	
NOTE.—A decrease of 50 in the number of places of this grade is recommended. When the appropriation bill was prepared a year ago the bureau had 105 clerks at a salary of \$900 each. Since that time, through resignations and transfers and some promotions, this number has been reduced to 55. It is practically impossible to secure clerks or stenographers at \$500. The few that do accept positions at that salary in a short time secure other positions at increased compensation. It is therefore proposed to drop these places.		
(23) One architect (<i>same acts</i>) -----	2,000.00	
(24) One illustrator (<i>same acts</i>) -----	1,400.00	
(25) One laboratory aid (<i>same acts</i>) -----	1,200.00	
(26) One laboratory helper (<i>same acts</i>) -----	1,200.00	
(27) Two laboratory helpers, at \$1,020 each (<i>same acts</i>) -----	2,040.00	
(28) One laboratory helper (<i>same acts</i>) -----	1,000.00	
(29) One laboratory helper (<i>same acts</i>) -----	960.00	
(30) Two laboratory helpers, at \$840 each (<i>same acts</i>) -----	1,680.00	
(31) One laboratory helper (<i>same acts</i>) -----	720.00	
(32) Two laboratory helpers, at \$600 each (<i>same acts</i>) -----	1,200.00	
(33) One laboratory helper (<i>same acts</i>) -----	480.00	
(34) One instrument maker (<i>same acts</i>) -----	1,200.00	
(35) One carpenter (<i>same acts</i>) -----	1,140.00	
(36) Two carpenters, at \$1,000 each (<i>same acts</i>) -----	2,000.00	
(37) Two messengers and custodians, at \$1,200 each (<i>same acts</i>) -----	2,400.00	
(38) One quarantine assistant (<i>same acts</i>) -----	900.00	
(39) One skilled laborer (<i>same acts</i>) -----	1,000.00	
(40) Ten skilled laborers, at \$900 each (increase of 1 by transfer from lump fund for inspection and quarantine) (<i>same acts</i>) -----	9,000.00	
(41) One painter (<i>same acts</i>) -----	900.00	
(42) One laborer (<i>same acts</i>) -----	900.00	
(43) Nine messengers, skilled laborers, or laborers, at \$840 each (<i>same acts</i>) -----	7,560.00	
(44) Three laborers, at \$780 each (<i>same acts</i>) -----	2,340.00	
(45) Twenty-four messengers, skilled laborers, or laborers, at \$720 each (increase of 5, 3 by transfer from lump fund for inspection and quarantine, 1 from eradicating cattle ticks, and 1 from dairy industry) (<i>same acts</i>) -----	17,280.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
(46) Four laborers, at \$660 each (<i>R. S., p. 87, secs. 520-523; acts Mar. 29, 1884, vol. 23, p. 31, secs. 1-11; Mar. 4, 1917, vol. 39, p. 1137, sec. 1</i>)	\$2, 640. 00	
(47) Twenty-four laborers, at \$600 each (increase of 2 by transfer from lump funds for diseases of animals and meat inspection) (<i>same acts</i>)	14, 400. 00	
(48) Thirty-two laborers, at \$540 each (increase of 6, 3 by transfer from lump fund for dairy industry, 1 from animal husbandry, and 2 from poultry feeding and breeding) (<i>same acts</i>)	17, 280. 00	
(49) Thirty laborers, at \$480 each (<i>same acts</i>)	14, 400. 00	
(50) Two laborers, at \$300 each, dropped.		
NOTE.—These two places and the one next below are now vacant. It has been impossible to find any one willing to accept these positions on account of the low salary paid, and it is recommended that they be dropped.		
(51) One laborer, \$240, dropped.		
NOTE.—See note under item 50.		
(52) One messenger boy (<i>same acts</i>)	660. 00	
(53) Three messenger boys, at \$600 each (<i>same acts</i>)	1, 800. 00	
(54) Sixteen messenger boys, at \$480 each (increase of 7, 2 by transfer from lump fund for dairy industry, 3 from diseases of animals, and 2 from meat inspection) (<i>same acts</i>)	7, 680. 00	
(55) Eight messenger boys, at \$360 each (<i>same acts</i>)	2, 880. 00	
(56) One watchman, \$720, transferred to statutory roll, Secretary's office.		
(57) One charwoman (<i>same acts</i>)	600. 00	
(58) Two charwomen, at \$540 each (increase of 1 by transfer from lump fund for meat inspection) (<i>same acts</i>)	1, 080. 00	
(59) Thirteen charwomen, at \$480 each (<i>same acts</i>)	6, 240. 00	
(60) Five charwomen, at \$360 each (<i>same acts</i>)	1, 800. 00	
(61) Two charwomen, at \$300 each (<i>same acts</i>)	600. 00	
(62) Seven charwomen, at \$240 each (<i>same acts</i>)	1, 680. 00	
	\$479, 710. 00	\$440, 370. 00
Appropriations for 1909..... \$83, 660	Estimates for 1910..... \$115, 100	
Appropriations for 1910..... 114, 100	Estimates for 1911..... 115, 920	
Appropriations for 1911..... 115, 920	Estimates for 1912..... 494, 070	
Appropriations for 1912..... 317, 450	Estimates for 1913..... 360, 430	
Appropriations for 1913..... 352, 450	Estimates for 1914..... 331, 500	
Appropriations for 1914..... 359, 250	Estimates for 1915..... 352, 410	
Appropriations for 1915..... 317, 030	Estimates for 1916..... 353, 630	
Appropriations for 1916..... 353, 830	Estimates for 1917..... 398, 470	
Appropriations for 1917..... 338, 470	Estimates for 1918..... 446, 970	
Appropriations for 1918..... 440, 370	Estimates for 1919..... 479, 710	

NOTE.—Apparent increase, \$39,340; actual decrease, \$46,560, as follows:

Places dropped.

50 clerks, at \$900 each.....	\$45, 000
2 laborers, at \$300 each.....	600
1 laborer.....	240
	————— \$45, 840

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Animal Industry—Continued.</i>		
<i>Transfer to statutory roll, Secretary's office.</i>		
1 watchman.....	\$720	
Actual decrease.....	46,560	
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
2 clerks, class 2, 1 from inspection and quarantine and 1 from control of viruses.....	\$2,800	
1 clerk, from inspection and quarantine.....	1,260	
44 clerks, class 1, 2 from inspection and quarantine, 7 from eradicating cattle ticks, 6 from dairy industry, 11 from animal husbandry, 1 from poultry feeding and breeding, 3 from hog cholera, 3 from control of viruses, 1 from dourine eradication, and 10 from meat inspection.....	52,800	
10 clerks, at \$1,020 each, 2 from inspection and quarantine, 1 from eradicating cattle ticks, 2 from dairy industry, 1 from animal husbandry, and 4 from meat inspection.....	10,200	
6 clerks, at \$1,000 each, 1 from inspection and quarantine, 1 from eradicating cattle ticks, 2 from dairy industry, and 2 from meat inspection.....	6,000	
1 skilled laborer, from inspection and quarantine.....	900	
5 messengers, skilled laborers or laborers, at \$720 each, 3 from inspection and quarantine, 1 from eradicating cattle ticks, and 1 from dairy industry.....	3,600	
2 laborers, at \$600 each, 1 from abortion of animals and 1 from meat inspection.....	1,200	
6 laborers, at \$540 each, 3 from dairy industry, 1 from animal husbandry, and 2 from poultry feeding and breeding.....	3,240	
7 messenger boys, at \$480 each, 2 from dairy industry, 3 from diseases of animals, and 2 from meat inspection.....	3,360	
1 charwoman, from meat inspection.....	540	
	85,900	
Apparent increase.....	39,340	
<i>General Expenses, Bureau of Animal Industry—</i>		
(63) For carrying out the provisions of the Act approved May twenty-ninth, eighteen hundred and eighty-four, establishing a Bureau of Animal Industry, and the provisions of the Act approved March third, eighteen hundred and ninety-one, providing for the safe transport and humane treatment of export cattle from the United States to foreign countries, and for other purposes; the Act approved August thirtieth, eighteen hundred and ninety, providing for the importation of animals into the United States, and for other purposes; and the provisions of the Act of May ninth, nineteen hundred and two, extending the inspection of meats to process butter, and providing for the inspection of factories, marking of packages, and so forth; and the provisions of the Act approved February second, nineteen hundred and three, to enable the Secretary of Agriculture to more effectually suppress and prevent the spread of contagious and infectious diseases of live stock, and for other purposes; and also the provisions of the Act approved March third, nineteen hundred and five, to enable the Secretary of Agriculture to establish and maintain quarantine districts, to permit and regulate the movement of cattle and other live stock therefrom, and for other purposes; and for carrying out the provisions of the Act of June twenty-ninth, nineteen hundred and six, entitled "An Act to prevent cruelty to animals while in transit by railroad or other means of transportation;" and for carrying out the provisions of the Act approved March fourth, nineteen hundred and thirteen, regulating the preparation, sale, barter, exchange, or shipment of any virus, serum, toxin, or analogous products manufactured in the United States, and the		

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>		
<p>importation of such products intended for use in the treatment of domestic animals; and to enable the Secretary of Agriculture to collect and disseminate information concerning live stock, dairy, and other animal products; to prepare and disseminate reports on animal industry; to employ and pay from the appropriation herein made as many persons in the city of Washington or elsewhere as he may deem necessary; to purchase in the open market samples of all tuberculin, serums, antitoxins, or analogous products, of foreign or domestic manufacture, which are sold in the United States, for the detection, prevention, treatment, or cure of diseases of domestic animals, to test the same, and to disseminate the results of said tests in such manner as he may deem best; to purchase and destroy diseased or exposed animals or quarantine the same whenever in his judgment essential to prevent the spread of pleuropneumonia, tuberculosis, or other diseases of animals from one State to another, as follows (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1</i>):</p>		
(64) For inspection and quarantine work, including all necessary expenses for the eradication of scabies in sheep and cattle, the inspection of southern cattle, the supervision of the transportation of live stock and the inspection of vessels, the execution of the twenty-eight-hour law, the inspection and quarantine of imported animals, including the establishment and maintenance of quarantine stations and repairs, alterations, improvements, or additions to buildings thereon; the inspection work relative to the existence of contagious diseases, and the tuberculin and mallein testing of animals ["\$628,280"] (<i>same acts</i>)-----	\$683, 550.00	
<p>NOTE.—There is an apparent increase in this item of \$55,270, but taking into consideration transfers to the statutory roll amounting to \$11,160, the actual increase is \$66,430, which it is proposed to use in extending the work of eradicating tuberculosis in live stock.</p>		
<p>The live-stock owners of the country have manifested a keen interest in the campaign recently launched for cooperative tuberculosis eradication in the various States. States which heretofore have not expressed a desire to cooperate in this work have now assigned regularly employed veterinarians to work with bureau employees in the tuberculin testing of herds in an effort to control and eradicate tuberculosis. The present high prices for cattle make it possible for the owners of animals which react under the tuberculin test to dispose of them without entailing a loss as great as in the past. In this way cattle which under ordinary conditions would be kept and thus perpetuate the disease and spread it by the dissemination of tuberculin reactors are now disposed of and the herds cleaned up. A great many owners apply private tuberculin tests to their cattle, and on discovering reactors, instead of disposing of them by slaughter or segregating them from the balance of the herd, the animals are shipped interstate for breeding and dairy purposes. With inspectors stationed in the various States retests may be made of a large percentage of the cattle shipped interstate for breeding and dairy purposes. In this way a great many herds would remain free from the disease by preventing the introduction of diseased animals among them.</p>		
<p>In the areas freed of ticks and released from quarantine the cattle business is increasing rapidly. It is a well-recognized fact that tuberculosis exists to a comparatively slight extent in the Southern States, but unless vigorous efforts are made to safeguard the cattle industry in those States by preventing the introduction of tuberculous animals it is safe to predict that before many years the percentage of infection will be as great in those States as in other sections of the country. By carrying on a vigorous campaign in cooperation with State officials and live-stock owners, it is believed that tuberculosis can be eradicated or largely controlled and the herds permanently preserved in the Southern States, and that the adequate enforcement of quarantine regulations will preclude the possibility of introducing many diseased animals.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	
<i>General Expenses, Bureau of Animal Industry—Continued.</i>			
In Idaho and Utah tuberculosis has not yet gained a serious foothold, and the State officials and live-stock owners are eager to extend the work of eradication. At the present time only one inspector has been assigned by the department to conduct the work in Idaho and Utah, whereas the former State is willing to employ two or more veterinary inspectors if a similar number are provided by the Federal Government. The State of Utah is also ready to assign funds equal in amount to those contributed by the Federal Government in an effort to extend the work of eradication as rapidly as possible.			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Veterinary inspector in charge. per annum..	\$3,500.00	1	1
Veterinary inspector in charge. do.	2,760.00	1	1
Veterinary inspector's assistant in charge..do....	2,520.00	1	1
Veterinary inspectors. do.	2,700.00	5	5
Veterinary inspectors. do.	2,640.00	3	3
Veterinary inspectors. do.	2,520.00	4	4
Veterinary inspector. do.	2,500.00	1	1
Veterinary inspectors. do.	2,460.00	3	3
Veterinary inspectors. do.	2,280.00	2	1
Veterinary inspectors. do.	2,250.00	1	1
Veterinary inspectors. do.	2,220.00	5	5
Veterinary inspector. do.	2,160.00	1	2
Veterinary inspector. do.	2,100.00	1	1
Veterinary inspectors. do.	2,000.00	4	2
Veterinary inspector. do.	1,980.00	2	2
Veterinary inspectors. do.	1,920.00	2	2
Veterinary inspector. do.	1,900.00	1	1
Veterinary inspectors. do.	1,800.00	61	58
Veterinary inspectors. do.	1,740.00	7	9
Veterinary inspectors. do.	1,620.00	5	7
Veterinary inspectors. do.	1,600.00	3	2
Veterinary inspectors. do.	1,400.00	27	19
Senior biochemist. do.	3,000.00	1	1
Senior bacteriologist. do.	1,980.00	1	1
Assistant in biochemistry. do.	1,800.00	1	1
Assistant in live-stock investigations. do.	1,600.00	1	1
Lay inspector, grade 1. do.	2,100.00	1	2
Lay inspectors, grade 1. do.	1,100.00	2	33
Lay inspectors, grade 1. do.	1,000.00	44	1
Lay inspector, grade 2. do.	1,920.00	1	1
Lay inspectors, grade 2. do.	1,600.00	1	36
Lay inspectors, grade 2. do.	1,200.00	65	4
Lay inspectors, grade 2. do.	1,000.00	6	1
Inspector's assistant and live-stock agent. do.	1,870.00	1	1
Inspector's assistant and live-stock agent *. do.	1,600.00	1	1
Inspector's assistant and live-stock agent. do.	1,400.00	1	1
Live-stock inspector. do.	1,400.00	1	1
Live-stock inspector. do.	1,200.00	1	1
Agent. do.	1,870.00	1	2
Agents. do.	1,400.00	2	2
Agents. do.	1,240.00	2	1
Agent. do.	1,200.00	1	1
Chemist's aid. do.	1,020.00	1	1
Quarantine assistant *. do.	900.00	1	1
Clerks *. do.	1,200.00	2	2
Clerks†. do.	1,200.00	2	1
Clerk*. do.	1,000.00	1	1
Clerk†. do.	1,000.00	1	1
Lay inspectors, assistant microscopist, veterinary inspector, agents, and student assistants—			
\$900 to \$300. do.		27	18
\$10 to \$5. per diem.		4 (temp.)	4 (temp.)
Veterinary and lay inspectors, engaged on meat inspection, at salaries ranging from \$2,500 to \$840 per annum, for short periods at intervals; \$75,000 expended for 1917; \$85,000 estimated for 1919.		150 (part time)	150 (part time)
Skilled laborer (with motorcycle). per annum..	1,360.00	1	1
Skilled laborer*. do.	900.00	1	1
Skilled laborer†. do.	900.00	1	2
Laborers*. do.	720.00	2	2
Laborers*. do.	600.00	1	1
Power-plant operator†. per month.	100.00	1	1
Salaries.		\$498,640.00	\$446,588.86
Wages.		1,360.00	7,000.00
Other objects of expenditure:			
Stationery.		2,000.00	872.40
Traveling expenses.		150,000.00	82,039.93
Equipment and material.		18,000.00	16,890.63
Telephone and telegraph service.		2,100.00	2,003.08
Miscellaneous items.		11,450.00	9,133.06
Total.		683,550.00	564,527.96

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>		
(65) For all necessary expenses for the eradication of southern cattle ticks, [\$631,560] \$620,420, of which sum \$50,000 may be used for live stock and dairy demonstration work, in cooperation with the States Relations Service, [in areas freed of ticks,] and of this amount no part shall be used in the purchase of animals: <i>Provided, however,</i> That no part of this appropriation shall be used in the purchase of materials for or in the construction of dipping vats upon land not owned solely by the United States, except at fairs or expositions where the Department of Agriculture makes exhibits or demonstrations; nor shall any part of this appropriation be used in the purchase of materials or mixtures for use in dipping vats except in experimental or demonstration work carried on by the officials or agents of the Bureau of Animal Industry (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1</i>) -----	\$620,420.00	

NOTE.—There is an apparent decrease in this item of \$11,140, due to the transfer of a number of employees to the statutory roll.

The words "in areas freed of ticks," following the words "States Relations Service," are omitted in order to remove a restriction which confines the work under this item to areas north of the quarantine line. This change will permit the bureau with the same set of employees to carry on live-stock and dairy demonstration work both north of the quarantine line, as at present, and also south of the line, which is impossible under the present wording of the law. The areas freed of ticks necessarily lie to the north of the quarantine line, and experience has shown that very effective work of this character may be carried on farther south in the areas where ticks are still present to a more or less extent.

Eradicating cattle ticks.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Veterinary inspector in charge..... per annum..	\$3,250.00	1	1
Veterinary inspectors.....do.....	2,520.00	11	11
Veterinary inspector.....do.....	2,500.00	1	1
Veterinary inspectors.....do.....	2,460.00	11	11
Veterinary inspector.....do.....	2,430.00	1	1
Veterinary inspectors.....do.....	2,340.00	18	18
Veterinary inspectors.....do.....	2,280.00	2	2
Veterinary inspectors.....do.....	2,250.00	7	8
Veterinary inspectors.....do.....	2,160.00	3	3
Veterinary inspectors.....do.....	2,120.00	37	37
Veterinary inspectors.....do.....	2,060.00	7	7
Veterinary inspectors.....do.....	2,030.00	13	12
Veterinary inspector.....do.....	1,980.00	1	1
Veterinary inspectors.....do.....	1,920.00	2	3
Veterinary inspectors.....do.....	1,800.00	23	19
Veterinary inspectors.....do.....	1,740.00	7	6
Veterinary inspector.....do.....	1,720.00	1	..
Veterinary inspectors.....do.....	1,620.00	14	13
Veterinary inspectors.....do.....	1,400.00	64	53
Veterinary inspector.....do.....	1,250.00	1	1
Lay inspector, grade 1.....do.....	1,420.00	1	1
Lay inspectors, grade 1.....do.....	1,000.00	5	6
Lay inspectors, grade 2.....do.....	1,200.00	2	2
Lay inspector, grade 2.....do.....	1,100.00	1	1
Inspector's assistant and live stock agent.....do.....	1,800.00	..	1
Agent.....do.....	1,720.00	..	1
Agent.....do.....	1,680.00	1	1
Agent.....do.....	1,530.00	1	1
Agents.....do.....	1,500.00	2	2
Agents.....do.....	1,420.00	7	7
Agent.....do.....	1,400.00	1	..
Agents.....do.....	1,380.00	4	4
Agent.....do.....	1,360.00	1	1
Agent.....do.....	1,320.00	1	1
Agents.....do.....	1,200.00	47	39
Agents.....do.....	1,140.00	2	3
Agents.....do.....	1,080.00	3	3
Agents.....do.....	1,000.00	6	4
Agents, \$900 to \$60.....do.....	..	14	14
Clerks.....do.....	1,200.00	..	5
Clerk.....do.....	1,000.00	..	1

†Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Animal Industry—Continued.

Eradicating cattle ticks—Continued.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Wages:			
Skilled laborer*do.....	\$720.00	<i>Number.</i>	<i>Number.</i>
Salaries.....		\$410,820.00	\$372,475.27
Wages.....			720.00
Other objects of expenditure:			
Stationery.....		1,500.00	1,459.97
Traveling expenses.....		129,000.00	123,586.20
Equipment and material.....		13,000.00	11,829.31
Telephone and telegraph service.....		1,100.00	1,019.70
Miscellaneous items.....		15,000.00	13,150.22
Total.....		570,420.00	524,240.67

*Transferred to statutory roll in Agricultural act for 1918.

Live stock demonstration.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Manufacturing specialist.....per annum..	\$1,800.00	1	1
Agent.....do.....	2,000.00	1	1
Agent.....do.....	1,800.00	1	1
Agent.....do.....	1,620.00	1	1
Agent.....do.....	1,500.00	1	1
Agents.....do.....	1,320.00	2	2
Agents.....do.....	1,200.00	2	2
Agent.....do.....	1,100.00	1	1
Agent.....do.....	1,080.00	1	1
Agent.....do.....	1,000.00	1	1
Scientific assistant in animal husbandry ..do....	1,800.00	1	1
Scientific assistant in animal husbandry ..do....	1,500.00	1	1
Scientific assistant in animal husbandry ..do....	1,380.00	1	1
Scientific assistant in dairying.....do.....	1,380.00	1	1
Scientific assistant in dairying.....do.....	1,320.00	1	1
Scientific assistants in dairying.....do.....	1,200.00	2	2
Assistant dairy husbandmen.....do.....	1,620.00	2	2
Assistant dairy husbandman and agent, \$900 and \$540.....do.....		2	3 (1 temp.)
Salaries.....		\$34,270.00	\$30,817.03
Other objects of expenditure:			
Traveling expenses.....		15,660.00	15,010.36
Miscellaneous items.....		70.00	65.71
Total.....		50,000.00	45,893.10

- (66) For all necessary expenses for investigations and experiments in dairy industry, cooperative investigations of the dairy industry in the various States, inspection of renovated-butter factories and markets **【\$378,930】** (*acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1*).....\$364,390.00

NOTE.—There is an apparent decrease in this item of \$14,540, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Dairy husbandman in charge.....per annum..	\$4,000.00	1	1
Physiologist.....do.....	3,000.00	1	1
Bacteriologist.....do.....	3,240.00	1	1
Bacteriologist.....do.....	2,460.00	1	1
Bacteriologists.....do.....	1,800.00	2	1
Bacteriologist.....do.....	1,600.00	1	1
Bacteriologist.....do.....	1,320.00	1	1
Agriculturist.....do.....	2,520.00	1	1

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Technologist.....per annum	\$2,520.00	1	1		
Chemist.....do....	2,520.00	1	1		
Chemist.....do....	2,000.00	1	1		
Chemists.....do....	1,980.00	2	2		
Chemist.....do....	1,920.00	1	1		
Chemist.....do....	1,800.00	2	2		
Chemists.....do....	1,440.00	1	1		
Chemist.....do....	2,700.00	1	1		
Manufacturing specialist.....do....	2,520.00	1	1		
Manufacturing specialist.....do....	2,500.00	2	2		
Manufacturing specialists.....do....	2,280.00	2	2		
Manufacturing specialist.....do....	2,200.00	1	1		
Manufacturing specialist.....do....	2,100.00	2	1		
Manufacturing specialists.....do....	2,040.00	3	1		
Manufacturing specialists.....do....	1,980.00	12	7		
Manufacturing specialists.....do....	1,920.00	4	1		
Manufacturing specialists.....do....	1,800.00	6	4		
Manufacturing specialists.....do....	1,500.00	4	2		
Milk specialists.....do....	2,400.00	2	2		
Milk specialists.....do....	2,340.00	2	1		
Milk specialists.....do....	1,980.00	2	1		
Milk specialists.....do....	1,800.00	4	2		
Dairy husbandman.....do....	2,880.00	1	1		
Dairy husbandman.....do....	2,460.00	1	1		
Dairy husbandman.....do....	2,400.00	1	1		
Dairy husbandman.....do....	2,240.00	1	1		
Dairy husbandman.....do....	2,220.00	1	1		
Dairy husbandmen.....do....	2,160.00	2	2		
Dairy husbandmen.....do....	2,100.00	4	1		
Dairy husbandmen.....do....	2,040.00	4	1		
Dairy husbandman.....do....	1,980.00	1	1		
Dairy husbandmen.....do....	1,800.00	8	3		
Dairy husbandman.....do....	1,500.00	1	1		
Dairy husbandman.....do....	1,440.00	1	1		
Dairy husbandman.....do....	1,400.00	1	1		
Dairy engineer.....do....	2,040.00	1	1		
Agents.....do....	1,900.00	6	1		
Agents.....do....	1,500.00	13	7		
Agents.....do....	1,400.00	10	3		
Agents.....do....	1,380.00	5	1		
Agents.....do....	1,350.00	5	1		
Agents.....do....	1,320.00	4	4		
Agent.....do....	1,250.00	1	1		
Agents.....do....	1,200.00	3	3		
Agent.....do....	1,000.00	1	1		
Agent.....do....	125.00	1	1		
Assistant husbandmen.....per month..	1,740.00	2	1		
Assistant husbandmen.....per annum..	1,620.00	8	4		
Assistant husbandmen.....do....	1,500.00	2	1		
Assistant husbandmen.....do....	1,320.00	2	1		
Assistant husbandman.....do....	1,250.00	1	1		
Assistant husbandman.....do....	700.00	1	1		
Scientific assistants.....do....	1,380.00	2	1		
Scientific assistant.....do....	1,320.00	1	1		
Scientific assistants.....do....	1,200.00	2	2		
Junior dairyman.....do....	1,320.00	1	1		
Assistant manufacturing specialist.....do....	1,500.00	1	1		
Assistant market milk specialists.....do....	1,740.00	3	3		
Assistant market milk specialist.....do....	1,620.00	1	1		
Assistant dairy manufacturer.....do....	1,500.00	1	1		
Assistant in chemistry.....do....	1,200.00	1	1		
Cheesemakers.....do....	1,200.00	3	3		
Experts in animal nutrition.....do....	1,000.00	3	3		
Architectural draftsman.....per month..	100.00	1	1		
Clerk*.....per annum..	1,800.00	1	1		
Clerk*.....do....	1,400.00	1	1		
Clerks†.....do....	1,200.00	4	4		
Clerks†.....do....	1,000.00	1	1		
Clerks*.....do....	900.00	2	2		
Charwoman*.....do....	240.00	1	1		
Assistant husbandman, agents, expert in animal nutrition, messenger boys, student assistants, and collaborator, \$700 to \$180.....do....		16	17 (2 temp.)		
Wages:					
Laborer*.....do....	900.00	1	1		
Laborer†.....do....	720.00	1	1		
Laborers*.....do....	600.00	4	4		
Laborers*.....do....	540.00	13	13		
Laborer†.....do....	480.00	1	1		
Temporary laborers, \$1.75 to \$0.75.....per diem..		10	12		
Salaries.....		\$243,965.00	\$190,722.14		
Wages.....		3,500.00	12,445.00		
Other objects of expenditure:					
Stationery.....		1,250.00	1,178.14		
Travelling expenses.....		50,000.00	26,323.31		
Equipment and material.....		35,075.00	13,357.76		
Miscellaneous items.....		30,600.00	17,159.93		
Total.....		364,390.00	261,686.28		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommend for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>		
<p>(67) For all necessary expenses for investigations and experiments in animal husbandry; for experiments in animal feeding and breeding, including cooperation with the State agricultural experiment stations, including repairs and additions to and erection of buildings absolutely necessary to carry on the experiments, including the employment of labor in the city of Washington and elsewhere, rent outside of the District of Columbia, and all other necessary expenses, [\$277,580] \$308,680: <i>Provided</i>, That of the sum thus appropriated [\$22,840] \$37,840 may be used for experiments in the breeding and maintenance of horses for military purposes 1, and \$15,000 for the purchase of lands in the vicinity of the Morgan Horse Farm near Middlebury, Vermont 1: <i>Provided further</i>, That of the sum thus appropriated [\$45,380] \$61,040 may be used for experiments in poultry feeding and breeding: <i>Provided further</i>, That of the sum thus appropriated [\$12,280] \$8,000 may be used for the equipment of the United States sheep experiment station in Fremont County, Idaho, including repairs and additions to and the erection of necessary buildings to furnish facilities for the investigation of problems pertaining to the sheep and wool industry on the farms and ranges of the Western States (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1</i>)</p>	\$308,680.00	
<p>NOTE.—There is an apparent increase in this item of \$31,100, but taking into consideration transfers to the statutory roll aggregating \$17,040 and the omission of the item of \$15,000 for the purchase of lands adjacent to the Morgan Horse Farm, near Middlebury, Vt., the net increase in funds for animal-husbandry investigations is \$63,140, which it is proposed to use as follows:</p> <p>\$15,000 for military-horse breeding. Because of the increase in the cost of feed, additional funds will be needed in order to continue this project on the basis upon which it has been conducted during the past two or three years and to obviate the necessity for withdrawing any of the present stallions from service.</p> <p>\$17,940 for poultry-club work. This work is a means for firmly establishing the poultry industry in the States where it is now carried on, but an increased appropriation will be necessary in order to meet the demands for its extension to other States. With the increase recommended the department will be able to station poultry agents in from eight to ten additional States.</p> <p>\$5,600 for farm-sheep investigations. The interest in the reestablishment of the sheep industry in farming States is nationwide, but it is being retarded by the lack of accurate data on the economy of farm-sheep raising. The department is carrying on such studies with the limited funds available in the States of Maryland and Vermont. Additional experimental work is necessary, however, in order to solve the problems requiring special attention, so that the information may be available for dissemination as rapidly as possible.</p> <p>\$14,000 for farm-sheep demonstrations. Specialists are now stationed in Vermont, New York, West Virginia, North Carolina, Texas, and Michigan, and others will be assigned to two or three additional States during the current fiscal year for the purpose of demonstrating the economy of farm-sheep raising, in cooperation with the extension divisions of the agricultural colleges. Assistance is also being given in the movement of surplus sheep from range to farm States and the redistribution of surplus sheep from present centers of considerable production in the farm States to sections in that territory where sheep husbandry is promising. In order to meet the demand for this work it will be necessary to have an increased staff of specialists. In view of the scarcity of competent sheep experts in our agricultural colleges, the demand for this work is particularly urgent upon the department.</p> <p>\$10,600 for pig-club work. The pig-club work has been an important factor in the campaign for increased pork production in the Southern States and in other sections outside of the corn belt. Even in the corn belt pig clubs have had a decided effect in improving methods of management and breeding. The increase recommended will enable the bureau to extend the work in the Southern States and to make a beginning in the corn-belt States.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
<p>The amount carried in the proviso for the equipment of the United States sheep experiment station in Fremont County, Idaho, has been changed from \$12 280 to \$8 000. It is believed this amount will be sufficient to provide all necessary equipment at the station during the next fiscal year.</p> <p>The proviso "and \$15 000 for the purchase of lands in the vicinity of the Morgan Horse Farm near Middlebury, Vermont," is omitted, as the object for which this appropriation was made will be accomplished during the fiscal year 1918.</p> <p style="text-align: center;"><i>Animal husbandry.</i></p>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Animal husbandman in charge.....per annum..	\$3,750.00	1	1		
Senior animal husbandman.....do.....	2,760.00	1	1		
Senior animal husbandman.....do.....	2,750.00	1	1		
Senior animal husbandman.....do.....	2,100.00	1	1		
Senior animal husbandmen.....do.....	2,000.00	2	2		
Animal husbandmen.....do.....	1,800.00	6	2		
Animal husbandmen.....do.....	1,620.00	4	2		
Live stock assistant.....do.....	1,920.00	1	1		
Agents in animal husbandry.....do.....	1,800.00	8	6		
Agents in animal husbandry.....do.....	1,620.00	4	1		
Agents in animal husbandry.....do.....	1,500.00	7	4		
Agents in animal husbandry.....do.....	1,200.00	5	4		
Scientific assistants in animal husbandry.....do.....	1,800.00	2	1		
Scientific assistants in animal husbandry.....do.....	1,680.00	2	1		
Scientific assistants in animal husbandry.....do.....	1,500.00	2	1		
Scientific assistants in animal husbandry.....do.....	1,380.00	15	10		
Junior animal husbandmen.....do.....	1,620.00	4	1		
Junior animal husbandmen.....do.....	1,500.00	4	1		
Assistant in horse breeding.....do.....	1,200.00	1	1		
Assistant in animal genetics.....do.....	1,200.00	1	1		
Expert groom.....do.....	1,260.00	1	1		
Superintendent of construction.....per month..	200.00	1	1		
Clerk*.....per annum..	1,200.00	..	1		
Clerks†.....do.....	1,200.00	..	6		
Expert trimmer and student assistant, \$600 and \$300.....do.....		1	2		
Appraisers in animal husbandry and experts in animal nutrition, \$10 and \$9..per diem..		4 (temp.)	4 (temp.)		
Wages:					
Laborers*.....per annum..	600.00	..	5		
Laborers*.....do.....	540.00	..	6		
Laborer†.....do.....	540.00	..	1		
Laborers*.....do.....	300.00	..	2		
Temporary laborers, \$720 to \$480.....do.....		14	13		
Salaries.....		\$128,480.00	\$73,155.67		
Wages.....		3,600.00	14,460.00		
Other objects of expenditure:					
Traveling expenses.....		13,300.00	6,777.30		
Equipment and material.....		15,000.00	11,658.97		
Miscellaneous items.....		41,420.00	38,203.06		
Total.....		201,800.00	144,255.00		
<p>*Transferred to statutory roll in Agricultural act for 1918.</p> <p>†Recommended for transfer to statutory roll in estimates for 1919.</p> <p style="text-align: center;"><i>Military horse breeding.</i></p>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Veterinary inspector.....per annum..	\$2,040.00	1	1		
Animal husbandman.....do.....	2,000.00	1	1		
Foremen of horse breeding.....do.....	900.00	5	3		
Agents.....per diem..	9.00	3	3		
Wages:					
Laborer.....per annum..	1,380.00	..	1 (temp.)		
Temporary laborers, \$900 to \$600.....do.....		19	6		
Temporary laborers, \$9.....per month..		1	1		
Laborers,* \$780 and \$600.....per annum..		..	3		
Salaries.....		\$9,000.00	\$6,800.00		
Wages.....		10,490.00	7,176.30		
Other objects of expenditure:					
Traveling expenses.....		2,500.00	1,911.50		
Equipment and material.....		5,500.00	421.72		
Miscellaneous items.....		10,350.00	7,977.55		
Total.....		37,840.00	24,287.07		
* Transferred to statutory roll in Agricultural act for 1918.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Animal Industry—Continued.</i>					
<i>Poultry feeding and breeding.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Senior animal husbandman.....per annum..	\$2,580.00	1	1		
Scientific assistant in animal husbandry...do....	1,740.00	1	1		
Scientific assistant in animal husbandry...do....	1,380.00	1	1		
Scientific assistants in poultry husbandry do....	1,500.00	4	1		
Animal husbandmen.....do....	1,800.00	2	1		
Junior animal husbandmen.....do....	1,380.00	2	1		
Junior animal husbandmen.....do....	1,500.00	4	1		
Agents in animal husbandry.....do....	1,500.00	5	3		
Agents in animal husbandry.....do....	1,380.00	5	3		
Clerk †.....do....	1,200.00	1	1		
Assistant in incubation and brooding per month..	100.00	1	1		
Wages:					
Laborers *.....per annum..	540.00	3	3		
Temporary laborers, \$540 and \$480.....do....		4	3		
Salaries.....		\$41,240.00	\$22,950.09		
Wages.....		2,160.00	3,180.00		
Other objects of expenditure:					
Traveling expenses.....		3,000.00	2,244.67		
Equipment and material.....		5,500.00	429.28		
Miscellaneous items.....		9,140.00	6,004.57		
Total.....		61,040.00	34,808.61		
* Transferred to statutory roll in Agricultural act for 1918.					
† Recommended for transfer to statutory roll in estimates for 1919.					
<i>Equipping sheep station.</i>					
Other objects of expenditure.		Estimated, 1919.	Expended, 1917.*		
Equipment and material.....		\$8,000.00			
* No appropriation for fiscal year 1917.					
(68) For all necessary expenses for scientific investigations in diseases of animals, including the maintenance and improvement of the bureau experiment station at Bethesda, Maryland, and the necessary alterations of buildings thereon, and the necessary expenses for investigations of tuberculin, serums, antitoxins, and analogous products, [\$134,600] \$132,560: Provided, That of said sum [\$50,000] \$49,400 may be used for researches concerning the cause, modes of spread, and methods of treatment and prevention of the disease of contagious abortion of animals (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1</i>).....				\$132,560.00	
NOTE.—There is an apparent decrease in this item of \$2,040, due to transfers to the statutory roll. As \$600 of this amount is deducted from the item of \$50,000 for the investigation of contagious abortion of animals, the estimate for that purpose during the fiscal year 1919 is correspondingly reduced.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1913.
General Expenses, Bureau of Animal Industry—Continued.					
Diseases of animals.					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Veterinary inspector in charge..... per annum..	\$3,500 00	1	1		
Veterinary inspector.....do.....	3,180 00	1	1		
Veterinary inspector.....do.....	2,250 00	1	1		
Veterinary inspector.....do.....	2,220 00	1	1		
Veterinary inspector.....do.....	1,980 00	1	1		
Veterinary inspector.....do.....	1,620 00	1	1		
Veterinary inspector.....do.....	1,600 00	1	1		
Veterinary inspector in charge of experiment station.....do.....	3,500 00	1	1		
Bacteriologist, assistant in charge.....do.....	2,880 00	1	1		
Bacteriologists.....do.....	2,220 00	2	1		
Senior bacteriologist.....do.....	2,820 00	1	1		
Physiologist.....do.....	2,700 00	1	1		
Physiologists.....do.....	2,220 00	1	2		
Physiologist.....do.....	1,800 00	1	1		
Assistant zoologist.....do.....	2,220 00	1	1		
Assistant zoologist.....do.....	1,980 00	1	1		
Junior zoologist.....do.....	1,620 00	1	1		
Junior zoologist.....do.....	1,400 00	1	1		
Junior chemist.....do.....	1,620 00	1	1		
Assistant in poisonous plant investigation.....do.....	1,440 00	1	1		
Expert in milk hygiene.....do.....	1,380 00	1	1		
Field assistant in parasitology, clerks, col- laborator, and messenger boy—					
\$840 to \$1.....do.....		2	3 (1 temp.)		
\$45.....per month.....do.....		1 (temp.)	1 (temp.)		
\$1.50.....per diem.....do.....		1	1 (temp.)		
Laboratory assistant*.....per annum.....	960 00	1	1		
Messenger boy †.....do.....	480 00	1	1		
Wages:					
Laborers, \$720 to \$540*.....do.....		4	4		
Temporary laborers { \$600 to \$480.....do.....		5	6		
{ \$2.75 and \$2.50...per diem.....do.....		2	2		
Plumber.....do.....	4 00	1	1 (temp.)		
Salaries.....		\$51,000.00	\$49,872.60		
Wages.....		2,500.00	6,100.00		
Other objects of expenditure:					
Stationery.....		1,000.00	739.20		
Traveling expenses.....		5,000.00	4,115.05		
Equipment and material.....		4,000.00	3,464.81		
Miscellaneous items.....		19,660.00	18,044.34		
Total.....		83,160.00	82,336.00		
* Transferred to statutory roll in Agricultural act for 1918.					
† Recommended for transfer to statutory roll in estimates for 1919.					
Abortion of animals.					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Bacteriologist..... per annum..	\$2,220 00	1	1		
Veterinary inspector.....do.....	1,800 00	1	1		
Veterinary inspector.....do.....	1,740 00	1	1		
Veterinary inspector.....do.....	1,620 00	1	1		
Veterinary inspector.....do.....	1,400 00	1	1		
Veterinary inspector.....do.....	1,000 00	1	1		
Agent, cooperating veterinarian, and charwoman, \$600 to \$480.....do.....		2	3 (1 temp.)		
Wages:					
Laborer †.....do.....	600 00	1	1		
Laborers.....do.....	480 00	4 (temp.)	4 (temp.)		
Carpenter.....per diem.....	4 50	1	1 (temp.)		
Salaries.....		\$14,000.00	\$10,756.42		
Wages.....		2,600.00	2,600.00		
Other objects of expenditure:					
Traveling expenses.....		1,500.00	1,371.05		
Equipment and material.....		8,000.00	5,304.71		
Miscellaneous items.....		23,300.00	15,888.39		
Construction work.....		2,000.00	3,367.10		
Total.....		49,400.00	39,287.67		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	
General Expenses, Bureau of Animal Industry—Continued.			
(69) For construction of buildings at bureau experiment station at Bethesda, Maryland, and bureau experiment farm at Beltsville, Maryland, \$23,600			
NOTE.—No estimate is submitted for the construction of buildings at Bethesda and Beltsville during the fiscal year 1919. Although there is considerable construction work still to be done at these places, it is believed that this can be deferred for one year without seriously interfering with the investigations under way on the farms.			
(70) For investigating the disease of hog cholera, and for its control or eradication by such means as may be necessary, including demonstrations, the formation of organizations, and other methods, either independently or in cooperation with farmers, associations, State or county authorities, [\$413,100] \$446,900: <i>Provided</i>, That of said sum [\$172,240] \$167,240 shall be available for expenditure in carrying out the provisions of the Act approved March fourth, nineteen hundred and thirteen, regulating the preparation, sale, barter, exchange, or shipment of any virus, serum, toxin, or analogous product manufactured in the United States and the importation of such products intended for use in the treatment of domestic animals: <i>And provided further</i>, That of said sum \$32,060 shall be available for researches concerning the cause, modes of spread, and methods of treatment and prevention of this disease (<i>acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1</i>) -----	\$446, 900. 00		
NOTE.—There is an apparent increase in this item of \$33,800, but, taking into consideration transfers to the statutory roll involving \$8,600, the actual increase is \$42,400. It is planned to use this entire amount in extending the field work in the eradication of hog cholera to additional hog-raising States. In view of the need for greater meat production, it is believed that every effort should be made to conserve the supply through disease control and eradication. The increase requested will provide for the employment of 16 additional veterinarians and pay their necessary travel and miscellaneous expenses.			
Eradicating hog cholera.			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Veterinary inspectors.....per annum..	\$2,640.00	2	2
Veterinary inspectors.....do.....	2,460.00	2	2
Veterinary inspectors.....do.....	2,400.00	2	2
Veterinary inspectors.....do.....	2,340.00	7	5
Veterinary inspectors.....do.....	2,280.00	1	1
Veterinary inspectors.....do.....	2,250.00	1	2
Veterinary inspectors.....do.....	2,220.00	2	2
Veterinary inspectors.....do.....	2,160.00	1	1
Veterinary inspectors.....do.....	2,120.00	1	1
Veterinary inspectors.....do.....	2,100.00	1	1
Veterinary inspectors.....do.....	2,040.00	8	6
Veterinary inspectors.....do.....	2,000.00	1	1
Veterinary inspectors.....do.....	1,980.00	2	2
Veterinary inspectors.....do.....	1,920.00	3	3
Veterinary inspectors.....do.....	1,800.00	15	15
Veterinary inspectors.....do.....	1,740.00	4	1
Veterinary inspectors.....do.....	1,620.00	20	14
Veterinary inspectors.....do.....	1,400.00	20	11
Clerk*.....do.....	1,200.00	..	1
Salaries.....		\$164,750.00	\$102,253.63
Other objects of expenditure:			
Traveling expenses.....		50,000.00	27,603.99
Equipment and material.....		5,000.00	1,147.80
Miscellaneous items.....		27,850.00	18,476.01
Total.....		247,600.00	149,481.43

* Transferred to statutory roll in Agricultural act for 1918.

General Expenses, Bureau of Animal Industry—Continued.

Control of viruses, etc.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Senior pathologist.....per annum..	\$3,000.00	1	1
Senior bacteriologist.....do.....	2,520.00	1	1
Veterinary inspector.....do.....	2,400.00	1	1
Veterinary inspectors.....do.....	2,160.00	4	5
Veterinary inspector.....do.....	2,040.00	1	1
Veterinary inspector.....do.....	2,000.00	1	1
Veterinary inspectors.....do.....	1,880.00	4	3
Veterinary inspectors.....do.....	1,920.00	2	2
Veterinary inspector.....do.....	1,900.00	1	1
Veterinary inspectors.....do.....	1,890.00	18	15
Veterinary inspectors.....do.....	1,620.00	26	26
Veterinary inspectors.....do.....	1,400.00	8	7
Lay inspector, grade 1.....do.....	1,100.00	1	1
Lay inspectors, grade 1.....do.....	1,000.00	4	3
Lay inspectors, grade 1.....do.....	840.00	21	20
Clerk†.....do.....	1,400.00	..	1
Clerk†.....do.....	1,200.00	..	1
Clerks*.....do.....	900.00	..	2
Charwoman*.....do.....	240.00	..	1
Wages:			
Laborer*.....do.....	720.00	..	1
Salaries.....		\$142,000.00	\$132,307.09
Wages.....			720.00
Other objects of expenditure:			
Traveling expenses.....		14,000.00	9,227.42
Equipment and material.....		4,000.00	2,158.33
Miscellaneous items.....		7,240.00	4,155.16
Total.....		167,240.00	148,568.00

†Recommended for transfer to statutory roll in estimates for 1919.

*Transferred to statutory roll in Agricultural act for 1918.

Hog cholera research.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Senior biochemist in charge.....per annum..	\$4,000.00	1	1
Senior biochemist.....do.....	3,000.00	1	1
Senior bacteriologist.....do.....	2,700.00	1	1
Veterinary inspector.....do.....	3,000.00	1	1
Veterinary inspector.....do.....	2,280.00	1	1
Veterinary inspector.....do.....	1,800.00	1	1
Laboratory inspector.....do.....	1,980.00	1	1
Wages:			
Laborer*.....do.....	780.00	..	1
Laborers*.....do.....	720.00	..	3
Laborer.....do.....	540.00	1 (temp.)	1 (temp.)
Carpenter.....per diem..	4.50	..	1 (temp.)
Salaries.....		\$14,000.00	\$14,080.34
Wages.....		400.00	3,580.00
Other objects of expenditure:			
Traveling expenses.....		600.00	568.50
Equipment and material.....		4,905.00	1,946.50
Miscellaneous items.....		12,155.00	4,491.90
Total.....		32,060.00	24,667.24

*Transferred to statutory roll in Agricultural act for 1918.

- (71) For all necessary expenses for the investigation, treatment, and eradication of dourine, [\$99,000] \$97,800 [of which amount \$50,000 shall be immediately available] (acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1)..... \$97,800.00

NOTE.—There is an apparent decrease in this item of \$1,200, due to the transfer of one clerk at that salary to the statutory roll.

The immediately available clause in this item is omitted. It is believed that the present appropriation will be sufficient to carry on the work until the end of the fiscal year 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																
General Expenses, Bureau of Animal Industry—Continued.																																																																																																					
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(72) For general administrative work, including traveling expenses and salaries of employees engaged in such work, rent outside of the District of Columbia, office fixtures and supplies, express, freight, telegraph, telephone, and other necessary expenses (acts May 29, 1884, vol. 23, p. 31, secs. 1-11; Aug. 30, 1890, vol. 26, p. 414, secs. 1-10; Mar. 3, 1891, vol. 26, pp. 883, 1089, sec. 1; May 9, 1902, vol. 32, pp. 193-197, sec. 1; Feb. 2, 1903, vol. 32, pp. 791, 792, secs. 1-3; Mar. 3, 1905, vol. 33, p. 1264, secs. 1-6; June 29, 1906, vol. 34, p. 607, sec. 1; Mar. 4, 1913, vol. 37, p. 832, sec. 1; Mar. 4, 1917, vol. 39, pp. 1138, 1139, sec. 1)				\$26,686.00																																																																																																	
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In all, for general expenses.....				\$2,680,986.00	\$2,613,336.00																																																																																																
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
Meat Inspection, Bureau of Animal Industry— (73) For additional expenses in carrying out the provisions of the meat-inspection act of June thirtieth, nineteen hundred and six (Thirty-fourth Statutes at Large, page six hundred and seventy-four), there is hereby appropriated for the fiscal year ending June thirtieth, nineteen hundred and [eighteen] <i>nineteen</i> , the sum of ["\$501,620"] \$477,200 (<i>acts June 30, 1906, vol. 34, p. 674, sec. 1; Mar. 4, 1917, vol. 39, p. 1140, sec. 1</i>)	\$477,200.00	\$501,620.00

NOTE.—There is an apparent decrease in this item of \$24,420, due to transfers to the statutory roll of this bureau involving \$20,180 and transfers to the statutory roll of the Secretary's office aggregating \$4,240.

The word "eighteen" is omitted and the word "nineteen" substituted so that the law will refer to the proper fiscal year.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Veterinary inspector in charge.....per annum..	\$4,000.00	1	1
Veterinary inspector.....do.....	3,500.00	1	1
Veterinary inspector.....do.....	3,420.00	1	1
Veterinary inspectors.....do.....	3,000.00	3	3
Veterinary inspectors.....do.....	2,760.00	4	4
Veterinary inspectors.....do.....	2,750.00	3	3
Veterinary inspector.....do.....	2,670.00	1	1
Veterinary inspector.....do.....	2,640.00	1	1
Veterinary inspectors.....do.....	2,520.00	3	3
Veterinary inspectors.....do.....	2,500.00	6	6
Veterinary inspectors.....do.....	2,460.00	5	5
Veterinary inspector.....do.....	2,280.00	1	1
Veterinary inspectors.....do.....	2,250.00	11	12
Veterinary inspectors.....do.....	2,220.00	7	6
Veterinary inspectors.....do.....	2,160.00	2	1
Veterinary inspector.....do.....	2,070.00	1	1
Veterinary inspectors.....do.....	2,040.00	15	16
Veterinary inspectors.....do.....	2,000.00	25	25
Veterinary inspectors.....do.....	1,980.00	15	15
Veterinary inspectors.....do.....	1,920.00	3	3
Veterinary inspectors.....do.....	1,900.00	36	36
Veterinary inspectors.....do.....	1,800.00	238	236
Veterinary inspectors.....do.....	1,740.00	2	2
Veterinary inspector.....do.....	1,700.00	1	1
Veterinary inspectors.....do.....	1,620.00	85	86
Veterinary inspectors.....do.....	1,600.00	11	11
Veterinary inspector.....do.....	1,500.00	1	1
Veterinary inspectors.....do.....	1,400.00	285	295
Laboratory inspector (senior).....do.....	2,880.00	1	1
Laboratory inspector (senior).....do.....	2,340.00	1	1
Laboratory inspector (senior).....do.....	2,280.00	1	1
Laboratory inspector (senior).....do.....	2,100.00	1	1
Laboratory inspectors (senior).....do.....	1,980.00	3	3
Laboratory inspector.....do.....	2,040.00	1	1
Laboratory inspectors.....do.....	1,800.00	1	1
Laboratory inspector (junior).....do.....	1,800.00	1	1
Laboratory inspector (junior).....do.....	1,620.00	1	1
Laboratory inspector (junior).....do.....	1,500.00	1	1
Inspector.....do.....	1,600.00	1	1
Biochemist.....do.....	2,280.00	1	1
Sanitary engineer.....do.....	2,250.00	1	1
Senior biochemist.....do.....	2,220.00	1	1
Senior bacteriologist.....do.....	2,220.00	1	1
Junior chemist.....do.....	1,400.00	1	2
Assistant chemist.....do.....	1,740.00	1	1
Assistant chemist.....do.....	1,560.00	1	1
Lay inspectors, grade 2.....do.....	1,600.00	3	3
Lay inspectors, grade 2.....do.....	1,400.00	26	22
Lay inspectors, grade 2.....do.....	1,380.00	13	3
Lay inspectors, grade 2.....do.....	1,320.00	21	22
Lay inspectors, grade 2.....do.....	1,200.00	871	880
Lay inspectors, grade 2.....do.....	1,100.00	6	6
Lay inspectors, grade 2.....do.....	1,000.00	42	105
Lay inspector, grade 1.....do.....	1,140.00	1	1
Lay inspectors, grade 1.....do.....	1,100.00	5	5
Lay inspectors, grade 1.....do.....	1,000.00	305	265
Lay inspector, grade 1.....do.....	960.00	1	1
Lay inspectors, grade 1.....do.....	900.00	24	18
Lay inspectors, grade 1.....do.....	840.00	414	414
Laboratory aid.....do.....	1,380.00	1	1
Laboratory aid.....do.....	1,000.00	1	1
Clerk*.....do.....	1,600.00	1	1
Clerks*.....do.....	1,200.00	2	2
Clerks†.....do.....	1,200.00	6	6
Clerk*.....do.....	1,000.00	1	1
Under laboratory inspector.....do.....	1,380.00	1	1
Laboratory inspectors.....do.....	1,200.00	2	2
Laboratory inspector.....do.....	1,000.00	1	1
Assistant microscopists, watchmen, and student assistant, \$900 to \$300.....do.....	2	4 (2 temp.)
Messenger boy*.....do.....	660.00	1	1
Messenger boys†.....do.....	480.00	1	2

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Meat Inspection, Bureau of Animal Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Wages:		Number.	Number.		
Laborer*.....do.....	\$600.00	...	1		
Salaries.....		\$3,326,320.00	\$3,200,185.63		
Wages.....			600.00		
Other objects of expenditure:					
Stationery.....		8,000.00	5,397.40		
Traveling expenses.....		65,000.00	45,865.79		
Equipment and material.....		45,000.00	34,811.36		
Telephone and telegraph service.....		5,200.00	5,110.43		
Miscellaneous items.....		27,680.00	25,886.30		
Total.....		3,477,200.00	3,317,856.91		
*Recommended for transfer to statutory roll in estimates for 1919.					
Appropriation for 1914.....	\$200,000	Estimate for 1914.....	\$300,000		
Appropriation for 1915.....	375,000	Estimate for 1915.....	300,000		
Appropriation for 1916.....	375,000	Estimate for 1916.....	375,000		
Appropriation for 1917.....	344,500	Estimate for 1917.....	344,500		
Appropriation for 1918.....	501,620	Estimate for 1918.....	575,300		
		Estimate for 1919.....	477,200		
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i>					
GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY.					
1 clerk, \$1,800 per annum.					
3 clerks, at \$1,600 per annum each.					
2 clerks, at \$1,400 per annum each.					
28 clerks, at \$1,200 per annum each.					
7 clerks, at \$1,000 per annum each.					
15 clerks, at \$900 per annum each.					
1 clerk, \$60 per month.					
MEAT INSPECTION.					
3 clerks, at \$1,200 per annum each.					
1 clerk, \$1,000 per annum.					
Total for Bureau of Animal Industry				\$3,637,896.00	\$3,555,326.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF PLANT INDUSTRY.		
<i>Salaries, Bureau of Plant Industry—</i>		
(1) One physiologist and pathologist, who shall be chief of bureau (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Apr. 23, 1904, vol. 33, p. 281, sec. 1; Mar. 4, 1917, vol. 39, p. 1140, sec. 1</i>)	\$5, 000. 00	
(2) One chief clerk (<i>same acts</i>)	3, 000. 00	
(3) One executive assistant in seed distribution (<i>same acts</i>)	2, 500. 00	
(4) One officer in charge of publications (<i>same acts</i>)	2, 250. 00	
(5) One landscape gardener (<i>same acts</i>)	1, 800. 00	
(6) One officer in charge of records (<i>same acts</i>)	2, 250. 00	
(7) One superintendent of seed weighing and mailing (<i>same acts</i>)	2, 000. 00	
(8) Two executive clerks, at \$1,980 each (<i>same acts</i>)	3, 960. 00	
(9) One seed inspector (<i>same acts</i>)	1, 000. 00	
(10) One seed warehouseman (<i>same acts</i>)	1, 400. 00	
(11) One seed warehouseman (<i>same acts</i>)	1, 000. 00	
(12) One seed warehouseman (<i>same acts</i>)	840. 00	
(13) Seven clerks, class 4 (increase of 1 by transfer from lump fund for western irrigation agriculture) (<i>same acts</i>)	12, 600. 00	
(14) Twelve clerks, class 3 (increase of 1 by transfer from lump fund for foreign seed and plant introduction) (<i>same acts</i>)	19, 200. 00	
(15) Three clerks, at \$1,500 each (<i>same acts</i>)	4, 500. 00	
(16) Twenty-three clerks, class 2 (increase of 2 by transfer from lump funds for purchase and distribution of valuable seeds and demonstrations on reclamation projects) (<i>same acts</i>)	32, 200. 00	
(17) Fifty-eight clerks, class 1 (increase of 12, 1 by transfer from lump fund for forest pathology, 1 from pomological investigations, 2 from blister rust eradication, 1 from horticultural investigations, and 7 new places in lieu of places dropped, as below) (<i>same acts</i>)	69, 600. 00	
NOTE.—The addition of seven clerks of class 1 is proposed in lieu of 9 clerks at \$840 each, 1 clerk at \$720, and 1 messenger boy at \$360, dropped, with a net decrease of \$240. These changes are designed to remedy, in part at least, the present difficulty of securing necessary clerical assistance at salaries as low as \$720 and \$840. During the period from May 1 to September 1, 1917, 51 clerks left the service of the bureau to accept other positions at increased compensation. The bureau is rapidly losing its trained and experienced clerks, and the readjustment recommended is absolutely necessary in order to secure properly qualified persons to perform the work. If allowed, these 7 new places will be filled by original appointments.		
(18) One clerk or draftsman (<i>same acts</i>)	1, 200. 00	
(19) One clerk (<i>same acts</i>)	1, 080. 00	
(20) Seven clerks, at \$1,020 each (<i>same acts</i>)	7, 140. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
(21) Twenty-five clerks, at \$1,000 each (increase of 4, 2 by transfer from lump fund for blister rust eradication, 1 from sugar plant investigations, and 1 from horticultural investigations) (<i>R. S.</i> , p. 87, secs. 520-523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1; Mar. 4, 1917, vol. 39, p. 1140, sec. 1)	\$25,000.00	
(22) Forty-four clerks, at \$900 each (increase of 2 by transfer from lump fund for blister rust eradication, and 1 from sugar plant investigations, and decrease of 3 by transfer to statutory roll, Bureau of Markets, making no change in the number of places) (<i>same acts</i>)	39,600.00	
NOTE.—There is no change in the number of places in this grade. While it is proposed to transfer three clerks from lump funds to the statutory roll of this bureau, a similar number of \$900 places will be transferred from this roll to the statutory roll of the Bureau of Markets, if the recommendation for the transfer of certain phases of the fruit and vegetable handling, transportation, and storage work from the Bureau of Plant Industry to the Bureau of Markets is approved. (See item 93.)		
(23) One clerk or draftsman (<i>same acts</i>)	900.00	
(24) Eleven clerks, at \$840 each (9 dropped) (<i>same acts</i>)	9,240.00	
NOTE.—See note under item 17.		
(25) 【One clerk, \$720, dropped.】		
NOTE.—See note under item 17.		
(26) One laborer (<i>same acts</i>)	780.00	
(27) Forty-one messengers or laborers, at \$720 each (<i>same acts</i>)	29,520.00	
(28) Eleven messengers, messenger boys, or laborers, at \$660 each (<i>same acts</i>)	7,260.00	
(29) Thirty messengers, messenger boys, or laborers, at \$600 each (increase of 2 by transfer from lump funds for forest pathology and crop physiology) (<i>same acts</i>)	18,000.00	
(30) One artist (<i>same acts</i>)	1,620.00	
(31) One clerk or artist (<i>same acts</i>)	1,400.00	
(32) Two clerks or artists, at \$1,200 each (<i>same acts</i>)	2,400.00	
(33) One photographer (<i>same acts</i>)	1,200.00	
(34) One photographer (<i>same acts</i>)	840.00	
(35) Two laboratory aids, at \$1,440 each (<i>same acts</i>)	2,880.00	
(36) One laboratory aid (<i>same acts</i>)	1,380.00	
(37) Four laboratory aids or clerks, at \$1,200 each (<i>same acts</i>)	4,800.00	
(38) One laboratory aid, clerk, or skilled laborer (<i>same acts</i>)	1,080.00	
(39) Three laboratory aids, clerks, or skilled laborers, at \$1,020 each (increase of 1 by transfer from lump fund for seed testing laboratory) (<i>same acts</i>)	3,060.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
(40) Two laboratory aids, at \$960 each (decrease of 1 by transfer to statutory roll, Bureau of Markets) (<i>R. S., p. 87, secs. 520-523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1; Mar. 4, 1917, vol. 39, p. 1140, sec. 1</i>)	\$1,920.00	
NOTE.—This change is necessary in connection with the transfer to the Bureau of Markets of the fruit and vegetable handling, transportation, and storage work.		
(41) One laboratory aid (<i>same acts</i>)	900.00	
(42) Four laboratory aids, at \$840 each (<i>same acts</i>)	3,360.00	
(43) Seven laboratory aids, at \$720 each (<i>same acts</i>)	5,040.00	
(44) One laboratory apprentice (<i>same acts</i>)	720.00	
(45) One map tracer (<i>same acts</i>)	600.00	
(46) Two gardeners, at \$1,440 each (<i>same acts</i>)	2,880.00	
(47) Four gardeners, at \$1,200 each (<i>same acts</i>)	4,800.00	
(48) Eight gardeners, at \$1,100 each (<i>same acts</i>)	8,800.00	
(49) Fifteen gardeners, at \$900 each (<i>same acts</i>)	13,500.00	
(50) Nineteen gardeners, at \$780 each (<i>same acts</i>)	14,820.00	
(51) One skilled laborer (<i>same acts</i>)	960.00	
(52) Two skilled laborers, at \$900 each (<i>same acts</i>)	1,800.00	
(53) Three skilled laborers, at \$840 each (<i>same acts</i>)	2,520.00	
(54) One assistant in technology (<i>same acts</i>)	1,400.00	
(55) One assistant in technology (<i>same acts</i>)	1,380.00	
(56) One mechanician (<i>same acts</i>)	1,080.00	
(57) One mechanical assistant (<i>same acts</i>)	1,200.00	
(58) One blacksmith (<i>same acts</i>)	900.00	
(59) One carpenter (<i>same acts</i>)	900.00	
(60) One painter (<i>same acts</i>)	900.00	
(61) One teamster (<i>same acts</i>)	840.00	
(62) One teamster (<i>same acts</i>)	600.00	
(63) Twenty-one laborers, at \$540 each (<i>same acts</i>)	11,340.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	
<i>Salaries, Bureau of Plant Industry—Continued.</i>			
(64) Thirty-five laborers, messengers, or messenger boys, at \$480 each (increase of 6, 3 by transfer from lump funds for pathological laboratory, forest pathology, and blister rust eradication, and three new places) (<i>R. S., p. 87, secs. 520-523; acts Apr. 23, 1904, vol. 33, p. 281, sec. 1; Mar. 4, 1917, vol. 39, p. 1140, sec. 1</i>) -	\$16,800.00		
NOTE.—The addition of 3 laborers, messengers, or messenger boys at \$480 each is proposed in lieu of 5 messenger boys at \$300 each, dropped, with a net decrease of \$60. It is impossible to secure and retain at salaries as low as \$300 messenger boys qualified to perform the work. At the present time all the \$300 places are vacant, and the work is considerably hampered on that account. If the three new places at \$480 are allowed, it is proposed to fill them by original appointments.			
(65) Four laborers or charwomen, at \$480 each (increase of 1 by transfer from lump fund for fruit diseases) (<i>same acts</i>) -	1,920.00		
(66) Five laborers or messenger boys, at \$420 each (increase of 2 by transfer from lump fund for pomological investigations) (<i>same acts</i>) -	2,100.00		
(67) Twenty charwomen, at \$240 each (<i>same acts</i>) -	4,800.00		
(68) Sixteen messenger boys, at \$360 each (increase of 2 by transfer from lump funds for blister rust eradication and pomological investigations, and 1 place dropped, making a net increase of 1) (<i>same acts</i>) -	5,760.00		
NOTE.—See note under item 17.			
(69) Five messenger boys, at \$300 each, dropped.			
NOTE.—See note under item 64.			
Appropriations for 1909..... \$187,410	Estimates for 1910..... \$189,950		
Appropriations for 1910..... 210,510	Estimates for 1911..... 255,270		
Appropriations for 1911..... 255,270	Estimates for 1912..... 330,320		
Appropriations for 1912..... 330,470	Estimates for 1913..... 374,790		
Appropriations for 1913..... 379,820	Estimates for 1914..... 424,380		
Appropriations for 1914..... 427,690	Estimates for 1915..... 476,520		
Appropriations for 1915..... 478,170	Estimates for 1916..... 429,430		
Appropriations for 1916..... 424,150	Estimates for 1917..... 418,240		
Appropriations for 1917..... 418,240	Estimates for 1918..... 422,660		
Appropriations for 1918..... 419,380	Estimates for 1919..... 440,020		
NOTE.—Apparent increase, \$20,640; actual decrease, \$3,960, as follows:			
<i>Places dropped.</i>			
9 clerks, at \$840 each.....	\$7,560		
1 clerk.....	720		
1 messenger boy.....	360		
5 messenger boys, at \$300 each.....	1,500		
	<hr/> \$10,140		
<i>New places.</i>			
7 clerks, class 1.....	{	in lieu of 16 places dropped.	
3 laborers, messengers, or messenger boys, at \$480 each.....			
			8,400
			1,440
	<hr/> 9,840		
		\$300	
<i>Transfers to statutory roll, Bureau of Markets.</i>			
3 clerks, at \$900 each.....	2,700		
1 laboratory aid.....	960		
	<hr/> 3,660		
Actual decrease.....		3,960	
	\$440,020.00	\$419,380.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Plant Industry—Continued.</i>		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 clerk, class 4, from western irrigation agriculture.....	\$1, 800	
1 clerk, class 3, from foreign seed and plant introduction.....	1, 600	
2 clerks, class 2, 1 from purchase and distribution of valuable seeds and 1 from demonstrations on reclamation projects...	2, 800	
5 clerks, class 1, 1 from forest pathology, 1 from pomological investigations, 2 from blister rust eradication, and 1 from horticultural investigations.....	6, 000	
4 clerks, at \$1,000 each, 2 from blister rust eradication, 1 from sugar plant investigations, and 1 from horticultural investigations.....	4, 000	
3 clerks, at \$900 each, 2 from blister rust eradication and 1 from sugar plant investigations.....	2, 700	
2 messengers, messenger boys or laborers, at \$600 each, 1 from forest pathology and 1 from crop physiology.....	1, 200	
1 laboratory aid, clerk or skilled laborer, from seed testing laboratory.....	1, 020	
3 laborers, messengers, or messenger boys, at \$480 each, 1 from pathological laboratory, 1 from forest pathology, and 1 from blister rust eradication.....	1, 440	
1 laborer or charwoman, from fruit diseases.....	480	
2 laborers or messenger boys, at \$420 each, from pomological investigations.....	840	
2 messenger boys, at \$360 each, 1 from blister rust eradication and 1 from pomological investigations.....	720	
	<hr/> \$24, 600	
Apparent increase.....	<hr/> 20, 640	
<i>General Expenses, Bureau of Plant Industry—</i>		
(70) For all necessary expenses in the investigation of fruits, fruit trees, grain, cotton, tobacco, vegetables, grasses, forage, drug, medicinal, poisonous, fiber, and other plants and plant industries, in cooperation with other branches of the department, the State experiment stations, and practical farmers, and for the erection of necessary farm buildings: <i>Provided</i> , That the cost of any building erected shall not exceed \$1,500; for field and station expenses, including fences, drains, and other farm improvements; for repairs in the District of Columbia and elsewhere; for rent outside of the District of Columbia; and for the employment of all investigators, local and special agents, agricultural explorers, experts, clerks, illustrators, assistants, and all labor and other necessary expenses in the city of Washington and elsewhere required for the investigations, experiments, and demonstrations herein authorized, as follows (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>):		
(71) For investigations of plant diseases and pathological collections, including the maintenance of a plant-disease survey ["\$62,500"] (<i>same acts</i>).....		\$62, 020. 00
NOTE.—There is an apparent decrease in this item of \$480, due to the transfer to the statutory roll of one laborer at \$480.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Pathologist in charge.....per annum.....	\$4,500.00	1	1		
Pathologist.....do.....	2,700.00	1	..		
Pathologists.....do.....	2,000.00	5	4		
Pathologist.....do.....	1,800.00	1	..		
Pathologist.....do.....	1,620.00	1	..		
Physiologist.....do.....	2,000.00	..	1		
Mycologist.....do.....	2,000.00	1	1		
Mycologist.....do.....	2,000.00	1	1		
Scientific assistants.....do.....	1,620.00	2	2		
Scientific assistant.....do.....	1,400.00	1	1		
Scientific assistant.....do.....	1,400.00	1	..		
Scientific assistant.....do.....	1,200.00	..	1		
Botanical translator.....do.....	1,200.00	1	1		
Field assistants.....per month.....	100.00	8 (temp.)	1 (temp.)		
Assistant.....per annum.....	1,200.00	1	..		
Assistant.....do.....	1,100.00	1	..		
Assistant.....do.....	1,000.00	1	..		
Scientific assistants, agents, student assistants, and collaborators { \$900 to \$1.....do.....	..	94 (temp.)	1		
{ \$75 to \$1.....per month.....	..	5	6 (1 temp.)		
Messenger boy †.....per annum.....	480.00	..	1		
Wages:					
Miscellaneous temporary labor—					
\$60 to \$20.....per month.....	6		
\$2 to \$0.25.....per diem.....	..	50	44		
Salaries.....		\$37,430.00	\$26,664.50		
Wages.....		3,270.00	1,320.49		
Other objects of expenditure:					
Stationery.....		1,000.00	1,066.76		
Traveling expenses.....		7,890.00	2,545.00		
Equipment and material.....		10,655.00	2,702.20		
Miscellaneous items.....		1,775.00	3,824.37		
Total.....		62,020.00	38,123.32		

† Recommended for transfer to statutory roll in estimates for 1919.

- (72) For the investigation of diseases of orchard and other fruits, **[\$76,415]** \$75,935: *Provided*, That \$8,000 of said amount shall be available for the investigation of diseases of the pecan (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1)..... \$75,935.00

NOTE.—There is an apparent decrease in this item of \$480, due to the transfer to the statutory roll of one laborer at \$480.

Fruit diseases.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Pathologist in charge.....per annum.....	\$4,000.00	1	1
Pathologist.....do.....	3,500.00	1	1
Pathologist.....do.....	3,200.00	1	1
Pathologist.....do.....	3,000.00	1	1
Pathologists.....do.....	2,520.00	2	2
Pathologist.....do.....	2,280.00	1	1
Pathologist.....do.....	2,000.00	1	1 (part time)
Scientific assistants.....do.....	1,800.00	5	2
Scientific assistants.....do.....	1,620.00	5	3
Scientific assistants.....do.....	1,440.00	3	1
Scientific assistants.....do.....	1,200.00	3	5 (4 part time)
Botanical artist.....do.....	1,800.00	1	1
Field assistant, preparator, clerk, laboratory aid, and student assistant—			
\$720.....do.....	..	2 (temp.)	2 (temp.)
\$75 to \$25.....per month.....	3 (temp.)
Wages:			
Laborer †.....per annum.....	480.00	..	1
Temporary laborers { \$60 and \$25.....per month.....	..	1	2
{ \$2.50 to \$1.75.....per diem.....	..	2	2
Salaries.....		\$51,300.00	\$43,710.34
Wages.....		1,210.00	1,517.00
Other objects of expenditure:			
Stationery.....		600.00	\$45.51
Traveling expenses.....		8,000.00	8,022.01
Equipment and material.....		3,500.00	3,735.91
Miscellaneous items.....		3,235.00	4,446.07
Total.....		67,935.00	62,296.84

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Plant Industry—Continued.

Pecan diseases.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.*
Salaries:		Number.	Number.
Assistant pathologist..... per annum..	\$1,800.00	1	..
Assistant pathologist..... do.....	1,440.00	1	..
Salaries.....		\$3,240.00	
Other objects of expenditure:			
Traveling expenses.....		2,500.00	
Equipment and material.....		1,200.00	
Miscellaneous items.....		1,050.00	
Total.....		8,000.00	

* No appropriation for fiscal year 1917.

- (73) For conducting such investigations of the nature and means of communication of the disease of citrus trees, known as citrus canker, and by applying such methods of eradication or control of the disease as in the judgment of the Secretary of Agriculture may be necessary, including the payment of such expenses and the employment of such persons and means, in the city of Washington and elsewhere, and cooperation with such authorities of the States concerned, organizations of growers, or individuals, as he may deem necessary to accomplish such purposes **["\$430,000"], \$250,000** [of which \$180,000 shall be immediately available], and, in the discretion of the Secretary of Agriculture [of the remaining \$250,000], no expenditures shall be made *therefrom* until a sum or sums at least equal to such expenditures shall have been appropriated, subscribed, or contributed by State, county, or local authorities, or by individuals or organizations for the accomplishment of such purposes: *Provided*, That no part of the money herein appropriated shall be used to pay the cost or value of trees or other property injured or destroyed (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1*)..... **\$250,000.00**

NOTE.—There is an apparent decrease in this item of \$180,000, which represents that portion of the appropriation made immediately available by the agricultural act for 1918. It is believed that \$250,000 will be sufficient for the effective prosecution of the work during the fiscal year 1919.

The immediately available provision has been omitted.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Agent..... per month..	\$225.00	...	1 (temp.)
Agent..... do.....	220.00	...	1 (temp.)
Agents..... do.....	200.00	6	...
Agents..... do.....	195.00	...	4 (temp.)
Agents..... do.....	180.00	...	2 (temp.)
Agents..... do.....	175.00	6	6
Agents..... do.....	170.00	...	6 (temp.)
Agent..... do.....	160.00	...	1 (temp.)
Agents..... do.....	150.00	6	9 (3 temp.)
Agents..... do.....	145.00	...	9 (temp.)
Agent..... do.....	140.00	...	1 (temp.)
Agent..... do.....	135.00	...	1 (temp.)
Agent..... do.....	133.33	...	1 (temp.)
Agents..... do.....	125.00	10	21 (11 temp.)
Agents..... do.....	120.00	20	5
Agent..... do.....	110.00	...	1 (temp.)
Agents..... do.....	100.00	20	24 (4 temp.)
Agents..... do.....	90.00	...	6 (temp.)
Agents..... do.....	85.00	...	23 (temp.)
Agent..... do.....	83.33	...	1 (temp.)
Agents and collaborators, \$80 to \$1..... do.....		106 (temp.)	468 (temp.)
Wages:			
Temporary laborers..... per diem..	2.00	...	33
Salaries.....		\$192,672.00	\$218,580.15
Wages.....			2,763.17
Other objects of expenditure:			
Stationery.....		1,000.00	7,532.22
Traveling expenses.....		50,000.00	21,706.64
Equipment and material.....		5,300.00	59.46
Miscellaneous items.....		1,328.00	345.36
Total.....		250,000.00	250,981.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																																																																																																
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																																																																																																																																																		
(74) For the investigation of diseases of forest and ornamental trees and shrubs, including a study of the nature and habits of the parasitic fungi causing the chestnut-tree bark disease, the white-pine blister rust, and other epidemic tree diseases, for the purpose of discovering new methods of control and applying methods of eradication or control already discovered [\$85,915] (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1) -----	\$83,635.00																																																																																																																																																																																																																	
NOTE.—There is an apparent decrease in this item of \$2,280, due to transfers to the statutory roll.																																																																																																																																																																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="2"></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Pathologist in charge.....per annum..</td><td>\$3,500.00</td><td>1</td><td>1</td></tr><tr><td>Pathologists.....do.....</td><td>3,000.00</td><td>3</td><td>3</td></tr><tr><td>Pathologist.....do.....</td><td>2,760.00</td><td>1</td><td>1</td></tr><tr><td>Pathologist.....do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Pathologist.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Pathologist.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Pathologist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Pathologists.....do.....</td><td>1,800.00</td><td>3</td><td>2</td></tr><tr><td>Pathologists.....do.....</td><td>1,620.00</td><td>2</td><td>1</td></tr><tr><td>Forest inspector.....do.....</td><td>3,000.00</td><td>..</td><td>1</td></tr><tr><td>Pathological inspector.....do.....</td><td>2,520.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Pathological inspector.....do.....</td><td>1,800.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Pathological inspector.....do.....</td><td>1,200.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Physiologist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Forest assistant.....do.....</td><td>1,800.00</td><td>..</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,800.00</td><td>..</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,440.00</td><td>3</td><td>3</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,200.00</td><td>2</td><td>3</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,020.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Assistant in forest pathology.....do.....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Assistants in forest pathology.....do.....</td><td>1,440.00</td><td>2</td><td>..</td></tr><tr><td>Assistants in forest pathology.....do.....</td><td>1,200.00</td><td>2</td><td>1 (temp.)</td></tr><tr><td>Assistants in forest pathology.....do.....</td><td>1,080.00</td><td>..</td><td>4 (temp.)</td></tr><tr><td>Assistant in forest pathology.....do.....</td><td>1,020.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Agent.....do.....</td><td>2,100.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Agent.....do.....</td><td>2,040.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Agent.....do.....</td><td>1,800.00</td><td>..</td><td>1 (part time)</td></tr><tr><td>Agents.....do.....</td><td>1,620.00</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Agents.....do.....</td><td>1,500.00</td><td>..</td><td>3 (temp.)</td></tr><tr><td>Agent.....do.....</td><td>1,440.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Agent.....do.....</td><td>1,320.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Agents.....do.....</td><td>1,200.00</td><td>..</td><td>24 (temp.)</td></tr><tr><td>Agents.....do.....</td><td>1,020.00</td><td>..</td><td>8 (temp.)</td></tr><tr><td>Clerk †.....do.....</td><td>1,200.00</td><td>..</td><td>1</td></tr><tr><td>Clerk *.....do.....</td><td>900.00</td><td>..</td><td>1</td></tr><tr><td>Messenger boys, \$600 and \$480 †.....do.....</td><td>..</td><td>..</td><td>2</td></tr><tr><td>Messenger boy *.....do.....</td><td>360.00</td><td>..</td><td>1</td></tr><tr><td>Agent, field assistants, student assistants, and collaborators— \$900 to \$1.....do.....</td><td>..</td><td>5</td><td>42 (8 temp.)</td></tr><tr><td>\$75 to \$1.....per month..</td><td>..</td><td>26 (12 temp.)</td><td>..</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Miscellaneous temporary labor, \$4.25 to \$1.75.....per diem..</td><td>..</td><td>..</td><td>21</td></tr><tr><td>Salaries.....</td><td></td><td>\$55,132.00</td><td>\$53,378.00</td></tr><tr><td>Wages.....</td><td></td><td></td><td>1,550.40</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Stationery.....</td><td></td><td>527.00</td><td>841.60</td></tr><tr><td>Traveling expenses.....</td><td></td><td>18,854.00</td><td>18,493.39</td></tr><tr><td>Equipment and material.....</td><td></td><td>7,242.00</td><td>8,718.15</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,880.00</td><td>3,746.18</td></tr><tr><td>Total.....</td><td></td><td>83,635.00</td><td>86,727.72</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.			<i>Number.</i>	<i>Number.</i>	Salaries:				Pathologist in charge.....per annum..	\$3,500.00	1	1	Pathologists.....do.....	3,000.00	3	3	Pathologist.....do.....	2,760.00	1	1	Pathologist.....do.....	2,520.00	1	1	Pathologist.....do.....	2,500.00	1	1	Pathologist.....do.....	2,400.00	1	1	Pathologist.....do.....	2,040.00	1	1	Pathologists.....do.....	1,800.00	3	2	Pathologists.....do.....	1,620.00	2	1	Forest inspector.....do.....	3,000.00	..	1	Pathological inspector.....do.....	2,520.00	..	1 (temp.)	Pathological inspector.....do.....	1,800.00	..	1 (temp.)	Pathological inspector.....do.....	1,200.00	..	1 (temp.)	Physiologist.....do.....	2,040.00	1	1	Forest assistant.....do.....	1,800.00	..	1	Scientific assistant.....do.....	1,800.00	..	1	Scientific assistants.....do.....	1,440.00	3	3	Scientific assistants.....do.....	1,200.00	2	3	Scientific assistant.....do.....	1,020.00	..	1 (temp.)	Assistant in forest pathology.....do.....	1,800.00	1	..	Assistants in forest pathology.....do.....	1,440.00	2	..	Assistants in forest pathology.....do.....	1,200.00	2	1 (temp.)	Assistants in forest pathology.....do.....	1,080.00	..	4 (temp.)	Assistant in forest pathology.....do.....	1,020.00	..	1 (temp.)	Agent.....do.....	2,100.00	..	1 (temp.)	Agent.....do.....	2,040.00	..	1 (temp.)	Agent.....do.....	1,800.00	..	1 (part time)	Agents.....do.....	1,620.00	..	2 (temp.)	Agents.....do.....	1,500.00	..	3 (temp.)	Agent.....do.....	1,440.00	..	1 (temp.)	Agent.....do.....	1,320.00	..	1 (temp.)	Agents.....do.....	1,200.00	..	24 (temp.)	Agents.....do.....	1,020.00	..	8 (temp.)	Clerk †.....do.....	1,200.00	..	1	Clerk *.....do.....	900.00	..	1	Messenger boys, \$600 and \$480 †.....do.....	2	Messenger boy *.....do.....	360.00	..	1	Agent, field assistants, student assistants, and collaborators— \$900 to \$1.....do.....	..	5	42 (8 temp.)	\$75 to \$1.....per month..	..	26 (12 temp.)	..	Wages:				Miscellaneous temporary labor, \$4.25 to \$1.75.....per diem..	21	Salaries.....		\$55,132.00	\$53,378.00	Wages.....			1,550.40	Other objects of expenditure:				Stationery.....		527.00	841.60	Traveling expenses.....		18,854.00	18,493.39	Equipment and material.....		7,242.00	8,718.15	Miscellaneous items.....		1,880.00	3,746.18	Total.....		83,635.00	86,727.72		
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* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																																																																																		
(75) For applying such methods of eradication or control of the white-pine blister rust as in the judgment of the Secretary of Agriculture may be necessary, including the payment of such expenses and the employment of such persons and means in the city of Washington and elsewhere, in cooperation with such authorities of the States concerned, organizations, or individuals as he may deem necessary to accomplish such purposes, ["\$300,000"] \$246,448 [of which \$150,000 shall be immediately available], and in the discretion of the Secretary of Agriculture [of the remaining \$150,000] no expenditures shall be made <i>therefrom</i> until a sum or sums at least equal to such expenditures shall have been appropriated, subscribed, or contributed by State, county, or local authorities or by individuals or organizations for the accomplishment of such purposes: <i>Provided</i> , That no part of the money herein appropriated shall be used to pay the cost or value of trees or other property injured or destroyed (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>)-----	\$246, 448. 00																																																																																																																	
<p>NOTE.—There is an apparent decrease in this item of \$53,552, but, taking into consideration transfers to the statutory roll of this bureau aggregating \$7,040 and the transfer of one watchman, at \$720, to the statutory roll of the Secretary's office, the actual decrease is \$45,792. In the current appropriation act Congress provided \$300,000 for the eradication of the white-pine blister rust, of which amount \$150,000 was made immediately available for expenditure during the remainder of the fiscal year 1917. At the close of that year, however, the expenditures aggregated only \$45,792, leaving a balance of \$254,208 for expenditure during the fiscal year 1918. The amount estimated for the fiscal year 1919 is \$246,448, or apparently \$7,760 less than the total amount available for the fiscal year 1918, but, including the transfers to statutory rolls indicated above, the amount proposed for the ensuing fiscal year is actually the same as that available for the current year.</p> <p>The language of the paragraph has been amended so as to omit the immediately available provision.</p>																																																																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.*</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Forest pathologist.....per annum..</td><td>\$3,000.00</td><td>1</td><td>..</td></tr><tr><td>Forest assistant.....do.....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Field assistant.....per month..</td><td>200.00</td><td>1</td><td>..</td></tr><tr><td>Field assistant.....do.....</td><td>175.00</td><td>1</td><td>..</td></tr><tr><td>Field assistants.....do.....</td><td>170.00</td><td>2</td><td>..</td></tr><tr><td>Field assistants.....do.....</td><td>150.00</td><td>6</td><td>..</td></tr><tr><td>Field assistants.....do.....</td><td>125.00</td><td>8</td><td>..</td></tr><tr><td>Field assistants.....do.....</td><td>100.00</td><td>34 (temp.)</td><td>..</td></tr><tr><td>Agents.....do.....</td><td>100.00</td><td>40 (temp.)</td><td>..</td></tr><tr><td>Agents.....do.....</td><td>75.00</td><td>105 (temp.)</td><td>..</td></tr><tr><td>Agents.....do.....</td><td>60.00</td><td>95 (temp.)</td><td>..</td></tr><tr><td>Assistants.....per annum..</td><td>1,600.00</td><td>2</td><td>..</td></tr><tr><td>Assistants.....do.....</td><td>1,200.00</td><td>2</td><td>..</td></tr><tr><td>Assistants.....do.....</td><td>1,000.00</td><td>3</td><td>..</td></tr><tr><td>Assistant.....do.....</td><td>480.00</td><td>1</td><td>..</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers.....per diem..</td><td>2.75</td><td>106</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$161,360.00</td><td></td></tr><tr><td>Wages.....</td><td></td><td>29,150.00</td><td>..</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>1,000.00</td><td>..</td></tr><tr><td>Traveling expenses.....</td><td></td><td>40,788.00</td><td>..</td></tr><tr><td>Equipment and material.....</td><td></td><td>10,000.00</td><td>..</td></tr><tr><td>Telegraph and telephone service.....</td><td></td><td>1,000.00</td><td>..</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>3,150.00</td><td>..</td></tr><tr><td>Total.....</td><td></td><td>246,448.00</td><td>..</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.*	Salaries:		<i>Number.</i>	<i>Number.</i>	Forest pathologist.....per annum..	\$3,000.00	1	..	Forest assistant.....do.....	1,800.00	1	..	Field assistant.....per month..	200.00	1	..	Field assistant.....do.....	175.00	1	..	Field assistants.....do.....	170.00	2	..	Field assistants.....do.....	150.00	6	..	Field assistants.....do.....	125.00	8	..	Field assistants.....do.....	100.00	34 (temp.)	..	Agents.....do.....	100.00	40 (temp.)	..	Agents.....do.....	75.00	105 (temp.)	..	Agents.....do.....	60.00	95 (temp.)	..	Assistants.....per annum..	1,600.00	2	..	Assistants.....do.....	1,200.00	2	..	Assistants.....do.....	1,000.00	3	..	Assistant.....do.....	480.00	1	..	Wages:				Temporary laborers.....per diem..	2.75	106	..	Salaries.....		\$161,360.00		Wages.....		29,150.00	..	Other objects of expenditure:				Stationery.....		1,000.00	..	Traveling expenses.....		40,788.00	..	Equipment and material.....		10,000.00	..	Telegraph and telephone service.....		1,000.00	..	Miscellaneous items.....		3,150.00	..	Total.....		246,448.00	..		
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Wages:																																																																																																																		
Temporary laborers.....per diem..	2.75	106	..																																																																																																															
Salaries.....		\$161,360.00																																																																																																																
Wages.....		29,150.00	..																																																																																																															
Other objects of expenditure:																																																																																																																		
Stationery.....		1,000.00	..																																																																																																															
Traveling expenses.....		40,788.00	..																																																																																																															
Equipment and material.....		10,000.00	..																																																																																																															
Telegraph and telephone service.....		1,000.00	..																																																																																																															
Miscellaneous items.....		3,150.00	..																																																																																																															
Total.....		246,448.00	..																																																																																																															

* No appropriation for fiscal year 1917.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
(76) For the investigation of diseases of cotton, potatoes, truck crops, forage crops, drug and related plants, \$87,800 [of which sum \$5,000 shall be immediately available] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 503, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>) -----	\$87,800.00	

NOTE.—There is no change in the amount of this item. The language is amended by omitting the proviso making \$5,000 immediately available.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Pathologist in charge.....per annum..	\$3,750.00	1	1
Pathologists.....do.....	3,000.00	2	1
Pathologist.....do.....	2,400.00	1	1
Pathologists.....do.....	2,280.00	2	2
Pathologists.....do.....	2,040.00	3	4
Pathologists.....do.....	2,000.00	4	2
Pathologists.....do.....	1,800.00	2	1
Biochemist.....do.....	2,520.00	1	1
Physiologists.....do.....	2,400.00	2	2
Expert.....do.....	1,800.00	..	1 (temp.)
Scientific assistant.....do.....	1,620.00	1	1
Scientific assistants.....do.....	1,500.00	2	2
Scientific assistants.....do.....	1,200.00	1	2 (1 temp.)
Field assistant.....do.....	1,800.00	..	1 (temp.)
Field assistants.....do.....	1,200.00	2	2 (temp.)
Field assistants.....do.....	1,080.00	2	2
Laboratory aid *.....do.....	1,200.00	..	1
Agent.....do.....	1,500.00	..	1 (temp.)
Agent.....do.....	1,440.00	..	1 (temp.)
Agent.....do.....	1,320.00	1	1
Agent.....do.....per month..	125.00	1	..
Agent.....do.....	120.00	1	..
Agent.....do.....	100.00	1	..
Scientific assistants, field assistants, agents, clerk, student assistants, collaborators, and gardener—			
\$900 to \$1.....per annum.....		6 (temp.)	14 (temp.)
\$75 to \$1.....per month.....		12 (temp.)	59 (temp.)
Wages:			
Miscellaneous temporary labor—			
\$65 to \$60.....do.....		3	2
\$6 to \$1.60.....per diem.....		..	16
Salaries.....		\$60,388.00	\$40,419.17
Wages.....		1,200.00	1,040.34
Other objects of expenditure:			
Stationery.....		1,700.00	1,713.00
Travelling expenses.....		11,800.00	7,721.46
Equipment and material.....		9,250.00	3,848.48
Miscellaneous items.....		3,462.00	4,116.98
Total.....		87,800.00	58,859.43

* Transferred to statutory roll in Agricultural act for 1918.

(77) For investigating the physiology of crop plants and for testing and breeding varieties thereof [\$49,060] (<i>same acts</i>) -----	48,460.00
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NOTE.—There is an apparent decrease in this item of \$600, due to the transfer of one messenger at \$600 to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Physiologist in charge.....per annum..	\$4,000.00	1	1
Physiologist.....do.....	3,000.00	1	..
Arboriculturist.....do.....	3,000.00	1	1
Farm superintendent.....do.....	2,500.00	..	1
Assistant.....do.....	2,520.00	1	1
Assistant.....do.....	2,250.00	..	1
Assistant.....do.....	1,800.00	..	1 (temp.)
Assistant.....do.....	1,500.00	1	..
Assistants.....do.....	1,200.00	1	2 (1 temp.)
Assistant plant breeder.....do.....	2,040.00	1	1
Botanical assistant.....do.....	1,920.00	1	1
Botanist.....do.....	1,620.00	1	..
Indexer and translator.....do.....	1,500.00	1	1
Translator.....do.....	1,440.00	1	1
Messenger boy †.....do.....	600.00	..	1
Physiologist, grove superintendent, agents, and collaborators—			
\$960 to \$12.....do.....		11	15 (4 temp.)
\$5.....per diem.....		1 (temp.)	2 (temp.)

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Wages:		<i>Number.</i>	<i>Number.</i>		
Laborer*.....per annum..	\$480.00	..	1		
Miscellaneous temporary labor—					
\$900 to \$300.....do.....		3	3		
\$50 to \$25.....per month..		..	7		
\$4 to \$1.....per diem..		1	12		
Salaries.....		\$27,034.00	\$25,579.25		
Wages.....		1,920.00	4,113.66		
Other objects of expenditure:					
Stationery.....		3,000.00	1,254.88		
Traveling expenses.....		9,506.00	4,662.98		
Equipment and material.....		5,000.00	5,546.79		
Miscellaneous items.....		2,000.00	6,910.77		
Construction work.....			^a 310.00		
Total.....		48,460.00	48,378.33		

* Transferred to statutory roll in Agricultural act for 1918.

^a This construction work consisted of one concrete-block building for use in connection with date-culture work at Indio, Cal., containing 8,000 cubic feet, at 3 $\frac{1}{4}$ cents per cubic foot.

- (78) For soil-bacteriology and plant-nutrition investigations, including the testing of samples, procured in the open market, of cultures for inoculating legumes, and if any such samples are found to be impure, nonviable, or misbranded, the results of the tests may be published, together with the names of the manufacturers and of the persons by whom the cultures were offered for sale (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1*) ----- \$39,300.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Soil biologist.....per annum..	\$3,000.00	1	1
Physiologist.....do.....	3,000.00	..	1 (temp.)
Physiologist.....do.....	2,520.00	..	1 (temp.)
Physiologist.....do.....	2,280.00	1	1
Physiologists.....do.....	2,040.00	2	2
Physiologist.....do.....	1,620.00	1	1
Soil mycologist.....do.....	2,280.00	1	1
Scientific assistants.....do.....	1,800.00	1	2
Scientific assistant.....do.....	1,620.00	1	1
Scientific assistant.....do.....	1,500.00	1	1
Laboratory aid*.....do.....	720.00	..	1
Messenger boy*.....do.....	420.00	..	1
Clerk, messenger boy, and student assistant, \$900 to \$300.....do.....		1 (temp.)	5 (temp.)
Wages:			
Laborer*.....do.....	600.00	..	1
Laborers*.....do.....	480.00	..	2
Miscellaneous temporary labor—			
\$70 to \$25.....per month..		..	18 (temp.)
\$2 to \$1.....per diem..		..	4 (temp.)
Salaries.....		\$19,080.00	\$26,983.95
Wages.....			1,901.80
Other objects of expenditure:			
Stationery.....		1,000.00	1,134.96
Traveling expenses.....		5,000.00	1,344.83
Equipment and material.....		13,000.00	5,923.88
Miscellaneous items.....		1,220.00	3,419.38
Total.....		39,300.00	40,708.80

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Plant Industry—Continued.

- (79) For soil-fertility investigations into organic causes of infertility and remedial measures, maintenance of productivity, properties and composition of soil humus, and the transformation and formation of soil humus by soil organisms (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1*) ----- \$36,260.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
		<i>Number.</i>	<i>Number.</i>
Salaries:			
Biochemist in charge.....per annum..	\$3,750.00	1	1
Biochemists.....do....	2,400.00	3	3
Biochemist.....do....	2,280.00	1	1
Biochemists.....do....	2,040.00	2	2
Biochemist.....do....	1,920.00	1	1
Biochemist.....do....	1,860.00	1	1
Biochemist.....do....	1,620.00	1	1
Biochemist.....do....	1,440.00	1	1
Physiologist.....do....	2,220.00	1	1
Scientific assistant.....do....	1,620.00	..	1 (temp.)
Scientific assistant.....do....	1,440.00	1	1
Laboratory aid *.....do....	1,440.00	..	1
Clerks, Russian translator, and greenhouse gardener.....per month..	75.00	2 (temp.)	2 (temp.)
.....per diem....	2.00	..	1
.....per hour....	1.00	..	1 (temp.)
Wages:			
Laborer.....per month..	50.00	1 (temp.)	1 (temp.)
Salaries.....		\$28,485.00	\$27,620.00
Wages.....		250.00	176.16
Other objects of expenditure:			
Stationery.....		135.00	671.11
Traveling expenses.....		3,318.00	1,688.21
Equipment and material.....		2,257.00	2,910.97
Miscellaneous items.....		1,815.00	2,027.87
Total.....		36,260.00	35,094.32

* Transferred to statutory roll in Agricultural act for 1918.

- (80) For acclimatization and adaptation investigations of cotton, corn, and other crops introduced from tropical regions, and for the improvement of cotton and other fiber plants by cultural methods, breeding, and selection, and for determining the feasibility of increasing the production of hard fibers outside of the continental United States, [\$82,510] \$107,510: *Provided, That not less than \$7,500 of this sum shall be used for experiments in cottonseed interbreeding (same acts)* ----- 107,510.00

NOTE.—There is an increase in this item of \$25,000. It is proposed to establish a cottonseed breeding station at Greenville, Tex., for the purpose of conducting experiments looking to the improvement of the staple cotton grown in that region. It is clear from a careful study of the cotton produced that very important benefits will accrue to the planters through seed improvement. The production of sufficient quantities of seed through the cooperation of the planters of this locality will result in benefit not only to the particular section in which it is planned to conduct the work but to all similar cotton-producing regions. In providing for the establishment and operation of this station it will be necessary to lease land under terms that will make it possible to maintain the project under thorough control for a considerable period, erect temporary buildings for housing the experimental work, employ an expert in cotton breeding as local superintendent of the farm work, and provide necessary implements, farm animals, labor, etc.

Crop acclimatization.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
		<i>Number.</i>	<i>Number.</i>
Salaries:			
Botanist in charge.....per annum..	\$4,000.00	1	1
Botanist in charge fiber plants.....do....	3,240.00	1	..
Botanist.....do....	3,000.00	1	..
Botanist.....do....	2,520.00	1	1
Botanist.....do....	2,040.00	1	1
Specialist in fiber-plant production.....do....	3,240.00	1	..
Specialist in fiber-plant production.....do....	1,200.00	1	..
Agronomist.....do....	2,400.00	1	1
Plant breeder.....do....	2,040.00	1	1
Assistant.....do....	2,040.00	1	1
Assistant.....do....	1,800.00	1	1

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<i>Crop acclimatization—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		<i>Number.</i>	<i>Number.</i>		
Assistant.....per annum.....	\$1,680.00	1	1		
Assistants.....do.....	1,440.00	2	1		
Assistants.....do.....	1,200.00	4	1		
Scientific assistant.....do.....	1,440.00	1	1		
Scientific assistant.....do.....	1,200.00	1	1		
Agriculturist.....do.....	1,500.00	..	1		
Agents.....do.....	1,200.00	2	2		
Clerk, collaborators, student assistant, and greenhouse gardeners—					
\$720 to \$1.....do.....		2 (temp.)	3 (temp.)		
\$75 to \$1.....per month.....		3 (temp.)	7 (temp.)		
Wages:					
Miscellaneous temporary labor—					
\$60 to \$25.....do.....		3	7		
\$3.50 to \$0.75.....per diem.....		..	12		
Salaries.....		\$42,620.00	\$27,406.50		
Wages.....		2,080.00	3,840.90		
Other objects of expenditure:					
Traveling expenses.....		24,400.00	7,696.66		
Equipment and material.....		18,680.00	1,323.26		
Miscellaneous items.....		12,230.00	2,156.91		
Total.....		100,010.00	42,424.23		

Cottonseed interbreeding.

Other objects of expenditure.	Estimated, 1919.	Expended, 1917.*
Traveling expenses.....	\$2,000.00
Equipment and material.....	2,000.00
Miscellaneous items.....	3,500.00
Total.....	7,500.00

* No appropriation for fiscal year 1917.

- (81) For the investigation, testing, and improvement of plants yielding drugs, spices, poisons, oils, and related products and by-products, and for general physiological and fermentation investigations (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1*) \$58,820.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Physiologist in charge.....per annum.....	\$3,750.00	1	1
Physiologists.....do.....	3,000.00	2	2
Physiologist.....do.....	2,640.00	1	1
Physiologists.....do.....	2,280.00	2	1
Chemist.....do.....	2,640.00	1	1
Chemist.....do.....	1,440.00	1	1
Chemist.....do.....	1,200.00	1	..
Chemical biologists.....do.....	2,400.00	2	2
Chemical biologists.....do.....	2,040.00	2	2
Agronomist.....do.....	2,040.00	1	1
Botanist.....do.....	2,040.00	1	1
Expert.....do.....	1,680.00	1	1
Scientific assistants.....do.....	1,440.00	2	1
Scientific assistant.....do.....	1,200.00	1	1
Microanalyst.....do.....	1,200.00	1	1
Laboratory technician.....do.....	1,200.00	1	1
Chemist's aid, field assistant, student assistants, clerks, messenger boys, mechanic, collaborators, and gardener—			
\$75 to \$1.....per month.....		2 (temp.)	12 (temp.)
\$3 to \$2.....per diem.....		..	2 (temp.)
Wages:			
Miscellaneous temporary labor—			
\$60 to \$40.....per month.....		3	3
\$2.50 to \$1.....per diem.....		..	12
Salaries.....		\$43,374.00	\$38,785.59
Wages.....		700.00	644.00
Other objects of expenditure—			
Stationery.....		500.00	1,115.11
Traveling expenses.....		6,800.00	4,432.55
Equipment and material.....		4,400.00	4,373.05
Miscellaneous items.....		3,046.00	2,670.61
Total.....		58,820.00	52,020.91

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
(82) For crop technological investigations, including the study of plant-infesting nematodes (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>) -----				\$24,940.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Agricultural technologist.....per annum..	\$4,000.00	1	1		
Technologist.....do.....	3,000.00	1	1		
Botanist.....do.....	3,240.00	..	1		
Plant morphologist.....do.....	2,520.00	1	1		
Pathologist.....do.....	2,520.00	..	1		
Pathologist.....do.....	1,620.00	1	1		
Nematologist.....do.....	1,800.00	1	..		
Scientific assistant.....do.....	1,800.00	..	1		
Scientific assistant.....do.....	1,620.00	1	..		
Scientific assistant.....do.....	1,000.00	..	1 (temp.)		
Agent.....do.....	1,600.00	..	1 (temp.)		
Helminthologist.....do.....	1,800.00	..	1 (temp.)		
Instrument maker.....per month..	100.00	..	1 (temp.)		
Preparators, student assistants, and collaborators—					
\$720 to \$1.....per annum..	4		
\$25 to \$1.....per month..	..	10	9		
Wages:					
Temporary laborers.....do.....	25.00	..	3		
Salaries.....		\$17,100.00	\$18,689.35		
Wages.....		400.00	302.92		
Other objects of expenditure:					
Stationery.....		300.00	423.37		
Traveling expenses.....		3,130.00	3,114.55		
Equipment and material.....		2,500.00	1,882.77		
Miscellaneous items.....		1,510.00	899.85		
Total.....		24,940.00	25,312.81		
(83) For biophysical investigations in connection with the various lines of work herein authorized (<i>same acts</i>) -----				32,500.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Physicist in charge.....per annum..	\$4,000.00	1	1		
Assistants.....do.....	2,520.00	2	2		
Assistant.....do.....	2,280.00	1	1		
Assistant.....do.....	2,040.00	1	1		
Assistant.....do.....	1,620.00	1	1		
Assistant.....do.....	1,380.00	1	1		
Assistant.....do.....	1,200.00	3	3		
Computer.....per month..	110.00	1 (temp.)	1 (temp.)		
Agents.....do.....	100.00	..	4		
Clerk *.....per annum..	900.00	..	1		
Clerk *.....do.....	960.00	1	1		
Gardeners.....per month..	75.00	..	1 (temp.)		
Wages:					
Miscellaneous temporary labor—					
\$70 to \$25.....do.....	..	2	3		
\$6 to \$2.50.....per diem..	2		
\$0.40 to \$0.28.....per hour..	4		
Salaries.....		\$21,430.00	\$19,255.33		
Wages.....		945.00	984.71		
Other objects of expenditure:					
Stationery.....		240.00	362.23		
Traveling expenses.....		4,100.00	2,283.54		
Equipment and material.....		3,000.00	4,262.68		
Miscellaneous items.....		2,785.00	3,716.44		
Construction work.....		..	a 1,498.00		
Total.....		32,500.00	32,362.93		

* Transferred to statutory roll in Agricultural act for 1918.

a This construction work consisted of a laboratory building at Chula Vista, Cal., used in connection with the biophysical investigations of the bureau, containing 14,200 cubic feet, at 10½ cents per cubic foot.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																												
General Expenses, Bureau of Plant Industry—Continued.																																																																																																														
(84) For studying and testing commercial seeds, including the testing of samples of seeds of grasses, clover, or alfalfa, and lawn-grass seeds secured in the open market, and where such samples are found to be adulterated or misbranded the results of the tests shall be published, together with the names of the persons by whom the seeds were offered for sale, and for carrying out the provisions of the act approved August twenty-fourth, nineteen hundred and twelve, entitled "An Act to regulate foreign commerce by prohibiting the admission into the United States of certain adulterated grain and seeds unfit for seeding purposes" (Thirty-seventh Statutes at Large, page five hundred and six) [\$34,700] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>) -----	\$36,680.00																																																																																																													
NOTE.—There is an apparent increase in this item of \$1,980, but, taking into consideration the transfer of one laboratory aid at \$1,020 to the statutory roll, the actual increase is \$3,000. Increased facilities are needed in order that the department may be in possession of prompt and reliable information as to the quality of seeds offered for sale to farmers. Furthermore, the representatives of the seed trade have agreed to report both purity and viability of seeds of certain of the most important crops. In order to make this service most effective, it is essential that the department cooperate with the seedsmen in carrying out their tests. This activity will aid indirectly in the improvement of the country's seed supply. The increase requested will be sufficient to employ two additional assistants and pay their laboratory expenses.																																																																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended 1917.</th></tr><tr><td><i>Salaries:</i></td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Botanist in charge.....per annum..</td><td>\$3,240.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Botanist.....do.....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,620.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,560.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,440.00</td><td>4</td><td>4</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,400.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,200.00</td><td>4</td><td>4</td></tr><tr><td>Scientific assistants.....do.....</td><td>1,020.00</td><td>2</td><td>3</td></tr><tr><td>Laboratory aid †.....do.....</td><td>1,020.00</td><td>..</td><td>1</td></tr><tr><td>Clerks, messenger boys, collaborators, and greenhouse gardener--</td><td></td><td></td><td></td></tr><tr><td>\$70 to \$25.....per month.....</td><td></td><td>2 (temp.)</td><td>6 (temp.)</td></tr><tr><td>\$0.60.....per hour.....</td><td></td><td>..</td><td>45 (temp.)</td></tr><tr><td><i>Wages:</i></td><td></td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor.....{per month.....</td><td>25.00</td><td>..</td><td>8</td></tr><tr><td>.....{per diem.....</td><td>4.00 to 2.00</td><td>..</td><td>6</td></tr><tr><td>Salaries.....</td><td></td><td>\$25,700.00</td><td>\$24,255.70</td></tr><tr><td>Wages.....</td><td></td><td></td><td>302.08</td></tr><tr><td><i>Other objects of expenditure:</i></td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>600.00</td><td>773.52</td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,500.00</td><td>1,561.85</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,700.00</td><td>2,146.61</td></tr><tr><td>Telephone and telegraph service.....</td><td></td><td>500.00</td><td>338.49</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>4,680.00</td><td>1,567.49</td></tr><tr><td>Total.....</td><td></td><td>36,680.00</td><td>30,945.74</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended 1917.	<i>Salaries:</i>		<i>Number.</i>	<i>Number.</i>	Botanist in charge.....per annum..	\$3,240.00	1	1	Botanist.....do.....	2,400.00	1	1	Botanist.....do.....	2,100.00	1	1	Scientific assistant.....do.....	1,620.00	1	1	Scientific assistant.....do.....	1,560.00	1	1	Scientific assistants.....do.....	1,440.00	4	4	Scientific assistant.....do.....	1,400.00	1	1	Scientific assistants.....do.....	1,200.00	4	4	Scientific assistants.....do.....	1,020.00	2	3	Laboratory aid †.....do.....	1,020.00	..	1	Clerks, messenger boys, collaborators, and greenhouse gardener--				\$70 to \$25.....per month.....		2 (temp.)	6 (temp.)	\$0.60.....per hour.....		..	45 (temp.)	<i>Wages:</i>				Miscellaneous temporary labor.....{per month.....	25.00	..	8{per diem.....	4.00 to 2.00	..	6	Salaries.....		\$25,700.00	\$24,255.70	Wages.....			302.08	<i>Other objects of expenditure:</i>				Stationery.....		600.00	773.52	Traveling expenses.....		3,500.00	1,561.85	Equipment and material.....		1,700.00	2,146.61	Telephone and telegraph service.....		500.00	338.49	Miscellaneous items.....		4,680.00	1,567.49	Total.....		36,680.00	30,945.74		
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† Recommended for transfer to statutory roll in estimates for 1919.																																																																																																														
(85) For the investigation and improvement of cereals and methods of cereal production, and the study of cereal diseases, and for the investigation of the cultivation and breeding of flax for seed purposes, including a study of flax diseases, and for the investigation and improvement of broom corn and methods of broom-corn production, \$186,505: <i>Provided, That \$40,000 shall be set aside for the study of corn improvement and methods of corn production: Provided also, That \$20,000 shall be set aside for the investigation of the diseases of wheat, oats, and barley known as black rust and stripe rust (same acts)</i> -----	186,505.00																																																																																																													

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	
<i>General Expenses, Bureau of Plant Industry—Continued.</i>			
<i>Cereal investigations.</i>			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Cerealist in charge.....per annum..	\$4,000.00	1	1
Agronomists.....do.....	3,000.00	2	2
Agronomists.....do.....	2,760.00	2	2
Agronomists.....do.....	2,520.00	1	1
Agronomists.....do.....	2,040.00	3	3
Agronomists.....do.....	1,800.00	2	1
Pathologist.....do.....	2,760.00	1 (part time)	1 (part time)
Pathologist.....do.....	2,520.00	1	1
Farm superintendent.....do.....	2,280.00	1	1
Farm superintendent.....do.....	2,000.00	1	1
Farm superintendent.....do.....	1,800.00	1	1
Technologist.....do.....	1,800.00	1	1
Scientific assistants.....do.....	1,800.00	1 (part time)	3 (1 part time)
Scientific assistants.....do.....	1,620.00	9	9
Scientific assistant.....do.....	1,500.00	1	1
Scientific assistants.....do.....	1,440.00	5	5
Scientific assistants.....do.....	1,200.00	2	2
Agriculturist.....do.....	1,440.00	1	1
Agent.....do.....	1,800.00	1	1
Agent.....do.....	1,440.00	1	1
Agent.....do.....	1,250.00	1	1
Agent.....do.....	1,200.00	1	1
Field assistants.....per month.....	125.00	18	1
Field assistant.....do.....	100.00	1	1
Clerks *.....per annum.....	900.00	..	3
Agents, assistants, collaborators, caretakers, mess cooks, and teamsters—			
\$80 to \$1.....per month.....		34	34
\$3 to \$1.25.....per diem.....		7 (temp.)	2 (temp.)
Wages:			
Miscellaneous temporary labor—			
\$75 to \$25.....per month.....		9	15
\$2.50 to \$1.....per diem.....		..	61
Salaries.....		\$81,040.00	\$75,423.19
Wages.....		4,000.00	6,147.28
Other objects of expenditure:			
Stationery.....		2,920.00	786.37
Traveling expenses.....		24,475.00	10,025.93
Equipment and material.....		7,366.00	4,236.63
Miscellaneous items.....		6,701.00	6,797.47
Total.....		126,505.00	103,416.87
* Transferred to statutory roll in Agricultural act for 1918.			
<i>Corn improvement.</i>			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Pathologist in charge.....per annum..	\$2,760.00	1	1
Physiologists.....do.....	2,100.00	2	2
Scientific assistants.....do.....	1,620.00	2	2
Scientific assistants.....do.....	1,500.00	2	2
Scientific assistants.....do.....	1,440.00	1	2 (1 temp.)
Scientific assistants.....do.....	1,400.00	2	2
Scientific assistants.....do.....	1,200.00	2	3 (1 temp.)
Scientific assistant.....do.....	1,000.00	1	1
Agents and assistants, \$3 to \$2.50.....per diem..		..	5 (temp.)
Wages:			
Temporary laborers, \$3 to \$2.....do.....		8	3
Salaries.....		\$23,720.00	\$23,371.92
Wages.....		2,880.00	782.98
Other objects of expenditure:			
Stationery.....		400.00	421.30
Traveling expenses.....		9,100.00	11,280.13
Equipment and material.....		2,000.00	1,357.78
Miscellaneous items.....		1,900.00	2,486.68
Total.....		40,000.00	39,700.79

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<i>Black rust and stripe rust.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Pathologist.....per annum..	\$2,760.00	1 (parttime)	1 (parttime)		
Pathologist.....do....	2,520.00	1	..		
Scientific assistant.....do....	1,800.00	1 (parttime)	1 (parttime)		
Scientific assistants.....do....	1,620.00	3	3		
Scientific assistant.....do....	1,440.00	1	..		
Field assistants.....per month..	125.00	..	3 (temp.)		
Clerk, agents, field assistants, and collaborators—					
\$75 to \$25.....do....		3 (temp.)	9 (temp.)		
\$3.....per diem.....		..	1 (temp.)		
Wages:					
Temporary laborers.....per month..	75.00	..	1		
.....per diem.....	2.50	..	1		
Salaries.....		\$11,160.00	\$9,807.58		
Wages.....			600.95		
Other objects of expenditure:					
Stationery.....		400.00	306.56		
Traveling expenses.....		6,940.00	6,555.98		
Equipment and material.....		1,000.00	1,512.82		
Miscellaneous items.....		500.00	764.77		
Total.....		20,000.00	19,638.66		

- (86) For the investigation and improvement of tobacco and the methods of tobacco production and handling (*acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1*) -----\$32,000.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Physiologist in charge.....per annum..	\$3,000.00	1	1
Crop technologist.....do....	2,250.00	1	1
Crop technologist.....do....	1,800.00	1	1
Assistant.....do....	1,800.00	1	1
Assistants.....do....	1,620.00	2	2
Assistant.....do....	1,560.00	1	1
Assistant.....do....	1,440.00	1	1
Assistant.....do....	1,380.00	1	1
Assistants.....do....	1,200.00	2	2
Assistant.....do....	1,020.00	1	1
Agent.....do....	1,200.00	1	..
Assistants, agents, and collaborators—			
\$900 to \$300.....do....		4	6 (2 temp.)
\$75 to \$1.....per month..		3	5 (2 temp.)
Wages:			
Miscellaneous temporary labor—			
\$60 to \$30.....do....		2	2
\$2.25 to \$1.20.....per diem..		1	7
Salaries.....		\$22,514.00	\$20,453.17
Wages.....		1,400.00	1,599.02
Other objects of expenditure:			
Stationery.....		50.00	435.52
Traveling expenses.....		1,780.00	2,345.07
Equipment and material.....		4,400.00	1,051.87
Miscellaneous items.....		1,856.00	1,537.35
Total.....		32,000.00	27,422.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																								
<i>General Expenses, Bureau of Plant Industry—Continued.</i>																																																										
(87) For testing and breeding fibrous plants, including the testing of flax straw and hemp, in cooperation with the North Dakota Agricultural College, which may be used for paper making (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1) -----	\$16,760.00																																																									
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Paper-plant chemist.....per annum..</td><td>\$2,280.00</td><td>1</td><td>1</td></tr><tr><td>Assistant.....do....</td><td>1,320.00</td><td>1</td><td>1</td></tr><tr><td>Assistant physicist.....do....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers.....per hour..</td><td>.25</td><td>..</td><td>9</td></tr><tr><td>Salaries.....</td><td></td><td>\$5,100.00</td><td>\$5,070.00</td></tr><tr><td>Wages.....</td><td></td><td></td><td>106.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>2,000.00</td><td>1,559.70</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,950.03</td><td>2,560.14</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>5,710.00</td><td>804.93</td></tr><tr><td>Total.....</td><td></td><td>16,760.00</td><td>10,100.77</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		Number.	Number.	Paper-plant chemist.....per annum..	\$2,280.00	1	1	Assistant.....do....	1,320.00	1	1	Assistant physicist.....do....	1,200.00	1	1	Wages:				Temporary laborers.....per hour..	.25	..	9	Salaries.....		\$5,100.00	\$5,070.00	Wages.....			106.00	Other objects of expenditure:				Traveling expenses.....		2,000.00	1,559.70	Equipment and material.....		3,950.03	2,560.14	Miscellaneous items.....		5,710.00	804.93	Total.....		16,760.00	10,100.77		
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Total.....		16,760.00	10,100.77																																																							
(88) For the breeding and physiological study of alkali-resistant and drought-resistant crops (<i>same acts</i>) -----	24,280.00																																																									

Employees	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Physiologists.....per annum..	\$3,240.00	2	2
Physiologist.....do....	2,000.00	1	1
Scientific assistant.....do....	1,620.00	1	1
Scientific assistants.....do....	1,200.00	1	2 (1 temp.)
Scientific assistants.....do....	1,020.00	2	1
Clerk and gardener, \$900 and \$900.....do....		1 (temp.)	2 (temp.)
Wages:			
Miscellaneous temporary labor—			
\$70 to \$25.....per month..		5	14
\$2.....per diem..		..	3
Salaries.....		\$13,820.00	\$13,520.17
Wages.....		2,500.00	2,399.24
Other objects of expenditure:			
Stationery.....		250.00	341.78
Traveling expenses.....		4,200.00	3,035.65
Equipment and material.....		2,000.00	1,087.65
Miscellaneous items.....		1,510.00	518.40
Total.....		24,280.00	21,802.89

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<i>Improving sugar-beet seed.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
		<i>Number.</i>	<i>Number.</i>		
Salaries:					
Technologist.....per annum..	\$2,500.00	1	1		
Technologist.....do....	2,040.00	1	1		
Agriculturist.....do....	2,040.00	1	1		
Agriculturist.....do....	1,800.00	1	1		
Wages:					
Miscellaneous temporary labor—					
\$0.0 to \$0.50.....per month..		3	3		
\$0.40 to \$0.35.....per hour..		3	2		
Salaries.....		\$5,098.00	\$5,016.67		
Wages.....		1,407.00	1,287.40		
Other objects of expenditure:					
Traveling expenses.....		2,485.00	2,632.03		
Equipment and material.....		400.00	431.27		
Miscellaneous items.....		610.00	531.67		
Total.....		10,000.00	9,899.04		
<i>Cane and sorghum sirup.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
		<i>Number.</i>	<i>Number.</i>		
Salaries:					
Technologist.....per annum..	\$2,500.00	1	1		
Junior chemist.....do....	2,040.00	1	1		
Scientific assistant.....do....	1,620.00	1	1		
Collaborators, \$120 to \$1.....do....		4	4		
Wages:					
Miscellaneous temporary labor.....per diem..	1.50	2	2		
Salaries.....		\$6,170.00	\$4,802.08		
Wages.....		200.00	167.86		
Other objects of expenditure:					
Stationery.....		200.00	151.75		
Traveling expenses.....		3,500.00	2,241.38		
Equipment and material.....		1,270.00	1,294.73		
Miscellaneous items.....		1,240.00	1,259.54		
Total.....		12,500.00	9,917.34		
(90) For investigations in economic and systematic botany and the improvement and utilization of wild plants and grazing lands (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1).....					
				\$23,100.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
		<i>Number.</i>	<i>Number.</i>		
Salaries:					
Botanist in charge.....per annum..	\$4,000.00	1	1		
Botanist.....do....	2,520.00	1	1		
Botanists.....do....	1,800.00	2	2		
Systematic agrostologist.....do....	3,000.00	1	1		
Scientific assistant.....do....	1,620.00	1	1		
Clerk *.....do....	900.00	1	1		
Botanical artist, botanist, and student assistants, \$75 to \$25.....per month..		4 (1 temp.)	5 (2 temp.)		
Wages:					
Temporary laborers.....do....	25.00	1	4		
Salaries.....		\$16,465.00	\$15,244.71		
Wages.....			423.34		
Other objects of expenditure:					
Stationery.....		700.00	707.02		
Traveling expenses.....		2,150.00	1,453.59		
Equipment and material.....		2,785.00	3,172.57		
Miscellaneous items.....		1,000.00	1,099.14		
Total.....		23,100.00	22,100.37		

* Transferred to statutory roll in Agricultural act for 1918

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																												
General Expenses, Bureau of Plant Industry—Continued.																																																																																																																																														
(91) For the investigation and improvement of methods of crop production under subhumid, semiarid, or dry-land conditions, \$160,000: <i>Provided</i> , That the limitation in this act as to the cost of farm buildings shall not apply to this paragraph: <i>Provided further</i> , That no part of this appropriation shall be used in the free distribution, or propagation for free distribution, of cuttings, seedlings, or trees of willow, box elder, ash, caragana, or other common varieties of fruit, ornamental, or shelter-belt trees in the Northern Great Plains area, except for experimental or demonstration purposes in the States of North and South Dakota west of the one hundredth meridian, and in Montana and Wyoming east of the five-thousand-foot contour line (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>) -----	\$160,000.00																																																																																																																																													
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr></thead><tbody><tr><td colspan="2">Salaries:</td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Agriculturist in charge..... per annum..</td><td>\$4,000.00</td><td>1</td><td>1</td></tr><tr><td>Agriculturist.....do.....</td><td>3,240.00</td><td>1</td><td>1</td></tr><tr><td>Physiologist.....do.....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Farm superintendent.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Farm superintendents.....do.....</td><td>2,040.00</td><td>4</td><td>3</td></tr><tr><td>Assistant.....do.....</td><td>2,760.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Assistants.....do.....</td><td>2,040.00</td><td>2</td><td>3</td></tr><tr><td>Assistants.....do.....</td><td>1,800.00</td><td>9</td><td>9</td></tr><tr><td>Assistant.....do.....</td><td>1,700.00</td><td>1</td><td>1</td></tr><tr><td>Assistants.....do.....</td><td>1,620.00</td><td>5</td><td>6(1parttime)</td></tr><tr><td>Assistant.....do.....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Assistants.....do.....</td><td>1,380.00</td><td>5</td><td>5</td></tr><tr><td>Assistants.....do.....</td><td>1,200.00</td><td>4</td><td>3</td></tr><tr><td>Agent.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Teamster.....do.....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Clerk.....do.....</td><td>1,020.00</td><td>.....</td><td>1 (temp.)</td></tr><tr><td>Orchardists, watchman, collaborators, teamsters, caretakers, and mess cooks—</td><td></td><td></td><td></td></tr><tr><td> \$900 to \$12.....do.....</td><td></td><td>3</td><td>3</td></tr><tr><td> \$85 to \$30..... per month.....</td><td></td><td>6 (temp.)</td><td>20 (temp.)</td></tr><tr><td> \$4.50 to \$1..... per diem.....</td><td></td><td>..</td><td>3</td></tr><tr><td colspan="2">Wages:</td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor—</td><td></td><td></td><td></td></tr><tr><td> \$75 to \$45..... per month.....</td><td></td><td>60</td><td>60</td></tr><tr><td> \$8 to \$2.50..... per diem.....</td><td></td><td>20</td><td>50</td></tr><tr><td>Salaries.....</td><td></td><td>\$68,824.00</td><td>\$72,050.11</td></tr><tr><td>Wages.....</td><td></td><td>34,290.00</td><td>30,363.60</td></tr><tr><td colspan="2">Other objects of expenditure:</td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>900.00</td><td>1,266.79</td></tr><tr><td>Traveling expenses.....</td><td></td><td>13,500.00</td><td>12,018.56</td></tr><tr><td>Equipment and material.....</td><td></td><td>7,050.00</td><td>7,058.65</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>35,436.00</td><td>20,264.41</td></tr><tr><td>Construction work.....</td><td></td><td>.....</td><td>a 15,734.88</td></tr><tr><td>Total.....</td><td></td><td>160,000.00</td><td>158,757.00</td></tr></tbody></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Agriculturist in charge..... per annum..	\$4,000.00	1	1	Agriculturist.....do.....	3,240.00	1	1	Physiologist.....do.....	2,100.00	1	1	Farm superintendent.....do.....	2,500.00	1	1	Farm superintendents.....do.....	2,040.00	4	3	Assistant.....do.....	2,760.00	..	1 (temp.)	Assistants.....do.....	2,040.00	2	3	Assistants.....do.....	1,800.00	9	9	Assistant.....do.....	1,700.00	1	1	Assistants.....do.....	1,620.00	5	6(1parttime)	Assistant.....do.....	1,500.00	1	1	Assistants.....do.....	1,380.00	5	5	Assistants.....do.....	1,200.00	4	3	Agent.....do.....	1,800.00	1	1	Teamster.....do.....	1,200.00	1	1	Clerk.....do.....	1,020.00	1 (temp.)	Orchardists, watchman, collaborators, teamsters, caretakers, and mess cooks—				\$900 to \$12.....do.....		3	3	\$85 to \$30..... per month.....		6 (temp.)	20 (temp.)	\$4.50 to \$1..... per diem.....		..	3	Wages:				Miscellaneous temporary labor—				\$75 to \$45..... per month.....		60	60	\$8 to \$2.50..... per diem.....		20	50	Salaries.....		\$68,824.00	\$72,050.11	Wages.....		34,290.00	30,363.60	Other objects of expenditure:				Stationery.....		900.00	1,266.79	Traveling expenses.....		13,500.00	12,018.56	Equipment and material.....		7,050.00	7,058.65	Miscellaneous items.....		35,436.00	20,264.41	Construction work.....		a 15,734.88	Total.....		160,000.00	158,757.00		
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Field station, Sheridan, Wyo.—																																																																																																																																														
1 mess house, wooden construction, 11,760 cubic feet, at 12½ cents per cubic foot. \$1,470.00																																																																																																																																														
1 office and laboratory building, wooden construction, 27,440 cubic feet; at 10 cents per cubic foot..... 2,744.00																																																																																																																																														
1 superintendent's residence, wooden construction, 32,712 cubic feet, at 9 cents per cubic foot..... 2,944.08																																																																																																																																														
1 barn and implement shed, wooden construction, 95,040 cubic feet, at 4 cents per cubic foot..... 3,801.60																																																																																																																																														
Field station, Akron, Colo.—																																																																																																																																														
1 machine shed, wooden construction, 40,000 cubic feet, at 4 cents per cubic foot. 1,600.00																																																																																																																																														
Field station, Lawton, Okla.—																																																																																																																																														
1 teamster's cottage, wooden construction, 11,760 cubic feet, at 15½ cents per cubic foot..... 1,822.80																																																																																																																																														
Field station, Big Springs, Tex.—																																																																																																																																														
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																								
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(92) For investigations in connection with western irrigation agriculture, the utilization of lands reclaimed under the reclamation act, and other areas in the arid and semiarid regions [\$75,380] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>) -----	\$73, 580. 00																																																																																																																									
NOTE.—There is an apparent decrease in this item of \$1,800, due to the transfer of one clerk, class 4, to the statutory roll.																																																																																																																										
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* Transferred to statutory roll in Agricultural act for 1918. † Recommended for transfer to statutory roll in estimates for 1919. a This construction work consisted of the following: Belle Fourche Experiment Farm, Newell, S. Dak.— 1 soil house, 980 cubic feet, at 2½ cents per cubic foot..... \$200.00 1 hog house, 2,850 cubic feet, at 24½ cents per cubic foot..... 700.00 San Antonio Experiment Farm, San Antonio, Tex.— 1 shed, 490 cubic feet, at 3½ cents per cubic foot..... 18.00 1 addition to machine shed, 1,768 cubic feet, at 2½ cents per cubic foot..... 40.00 Scottsbluff Experiment Farm, Mitchell, Nebr.— 1 addition to office building, 1,358 cubic feet, at 22 cents per cubic foot..... 300.00																																																																																																																										
(93) For the investigation and improvement of fruits, and the methods of fruit growing, harvesting, packing, storing, handling, and shipping, and for experimental shipments of fruits within the United States and to foreign countries, \$107,200: <i>and, in cooperation with the Bureau of Markets, studies of the behavior of fruits during the processes of marketing and while in commercial storage, \$85,280: Provided, That \$9,000 of said amount shall be available for the investigation and improvement of the pecan, and methods of growing, harvesting, packing, and shipping of same (same acts)</i> -----	85, 280. 00																																																																																																																									
NOTE.—There is an apparent decrease in this item of \$21,920, but, taking into consideration transfers to the statutory roll of this bureau involving \$2,400 and the transfer to the Bureau of Markets of the purely marketing features of the fruit handling, transportation, and storage investigations, carrying an allotment of \$21,520 (\$1,200 of which is transferred to the statutory roll of the Bureau of Markets and \$20,320 to the item "marketing and distributing farm products"), there is an actual increase of \$2,000. This additional sum is needed for the purpose of enlarging the investigational work upon the life of fruits in storage and will be used to cover increased traveling and miscellaneous expenses. These investigations are yielding information of the greatest importance in the development of improved methods for the storage and handling of fruit.																																																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<p>The language of the paragraph is amended as indicated, in view of the proposed transfer to the Bureau of Markets of the distinctly marketing features of the investigations and in order to provide for a continuance and extension in the Bureau of Plant Industry, in cooperation with the Bureau of Markets, of investigations of fruits subsequent to their harvesting, such as ripening and maturity studies, which are primarily within the field of production but which require that the product be followed through certain marketing processes and into storage.</p> <p><i>Pomological investigations.</i></p>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Horticulturist in charge.....per annum..	\$4,000.00	1 (part time)	1 (part time)		
Physiologist.....do.....	3,240.00	1	1		
Pomologist.....do.....	3,240.00	1	1		
Pomologists.....do.....	3,000.00	2	2		
Pomologist.....do.....	2,760.00	1	2		
Pomologist.....do.....	2,280.00	1	2		
Pomologist.....do.....	1,800.00	1	1		
Botanist.....do.....	2,520.00	1	1		
Plant propagator.....do.....	1,440.00	1 (part time)	..		
Technologist.....do.....	2,500.00	..	1		
Viticultural superintendent.....do.....	1,620.00	1	1		
Scientific assistant.....do.....	1,800.00	1	1		
Scientific assistant.....do.....	1,680.00	..	1 (temp.)		
Scientific assistants.....do.....	1,620.00	2	3		
Scientific assistants.....do.....	1,440.00	3	7 (4 temp.)		
Scientific assistants.....do.....	1,200.00	4	4		
Clerks †.....do.....	1,200.00	..	2		
Clerk *.....do.....	1,200.00	..	1		
Clerk *.....do.....	1,000.00	..	1		
Mechanical draftsmen.....per month..	85.00	..	2 (temp.)		
Messenger boys †.....per annum..	360.00	..	2		
Messenger boy *.....do.....	300.00	..	1		
Teamsters and collaborators \$1.....do.....	..	5	5		
Teamsters and collaborators \$75 to \$1 per month.....do.....	9 (temp.)		
Wages:					
Laborers †.....per annum..	420.00	..	2		
Miscellaneous temp. \$900 to \$600.....do.....	..	8	10		
Ordinary laborers.....\$85 to \$25.....per month..	..	1	10		
Salaries.....		\$43,940.00	\$57,054.57		
Wages.....		4,880.00	3,921.36		
Other objects of expenditure:					
Stationery.....		1,100.00	1,092.86		
Traveling expenses.....		17,500.00	21,970.30		
Equipment and material.....		1,500.00	8,378.49		
Miscellaneous items.....		7,360.00	10,374.25		
Construction work.....		..	^a 1,300.00		
Total.....		76,280.00	104,091.83		
<p>^a This construction work consisted of one cold-storage laboratory building at the Arlington Farm containing 12,000 cubic feet, at 10½ cents per cubic foot.</p> <p>* Transferred to statutory roll in Agricultural act for 1918.</p> <p>† Recommended for transfer to statutory roll in estimates for 1919.</p>					
<i>Pecan culture.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.*		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Nut culturist.....per annum..	\$2,040.00	1	..		
Scientific assistant.....do.....	1,620.00	1	..		
Salaries.....		\$3,660.00	..		
Other objects of expenditure:					
Traveling expenses.....		1,500.00	..		
Equipment and material.....		2,500.00	..		
Miscellaneous items.....		1,340.00	..		
Total.....		9,000.00	..		
* No appropriation for fiscal year 1917.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
(94) To cultivate and care for the gardens and grounds of the Department of Agriculture in the city of Washington, including the keep and lighting of the grounds and the construction, surfacing, and repairing of roadways and walks; and to erect, manage, and maintain conservatories, greenhouses, and plant and fruit propagating houses on the grounds of the Department of Agriculture in the city of Washington (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>) -----	\$11,690.00	

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant.....per annum..	\$2,400.00	1	1
Gardener.....do.....	780.00	..	1 (temp.)
Wages:			
Miscellaneous temporary labor.....per diem..	2.00	4	4
Salaries.....		\$2,400.00	\$2,441.17
Wages.....		64.00	10.00
Other objects of expenditure:			
Stationery.....		100.00	115.49
Equipment and material.....		3,500.00	2,866.58
Miscellaneous items.....		4,774.00	6,239.26
Construction work.....		^a 852.00
Total.....		11,690.00	11,672.50

^a This construction work is to consist of one greenhouse, containing 21,300 cubic feet, at 4 cents per cubic foot.

- (95) For horticultural investigations, including the study of producing **handling, and shipping** and *harvesting* truck and related crops, including potatoes, and, in cooperation with the Bureau of Markets, studies of the behavior of vegetables while in the processes of marketing and in commercial storage, and the study of landscape and vegetable gardening, floriculture, and related subjects **\$62,740** (*same acts*) ----- 60,540.00

NOTE.—There is an apparent decrease in this time of \$2,200, due to the transfer of one clerk, class 1, and one clerk at \$1,000 to the statutory roll.

The language of the paragraph as amended provides for the transfer to the Bureau of Markets of the distinctly marketing features of the horticultural work and for the continuance and extension, in the Bureau of Plant Industry, of such investigations of truck and related crops subsequent to their harvesting as are primarily within the field of production but which require that the product be followed through certain processes of marketing and into commercial storage. The latter work will be carried on in close cooperation with the Bureau of Markets.

No funds have been transferred from the horticultural item to the Bureau of Markets since only a comparatively small amount of money heretofore has been expended for the handling, transportation, and storage work, and the entire amount under this item will be needed to take care of existing projects. There is no increase in the appropriations of the Bureau of Markets on account of the transfer.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Horticulturist in charge.....per annum..	\$4,000.00	1(part time)	1(part time)
Horticulturist.....do.....	3,000.00	1	1
Horticulturist.....do.....	2,520.00	1	1
Horticulturist.....do.....	2,000.00	1	1
Horticulturist.....do.....	1,800.00	1	1
Agriculturist.....do.....	2,760.00	1	1(part time)
Plant breeder and propagator.....do.....	2,220.00	1	1(part time)
Plant propagator.....do.....	1,440.00	1	..
Plant propagator.....do.....	1,080.00	1	..
Physiologist.....do.....	2,040.00	1	..
Agonomist.....do.....	1,800.00	1	1
Scientific assistants.....do.....	1,620.00	2	3
Scientific assistants.....do.....	1,440.00	2	2
Scientific assistant.....do.....	1,200.00	1	..
Scientific assistant.....do.....	1,000.00	1	1

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Agent.....per annum..	\$1,400.00	..	1 (temp.)		
Agent.....do.....	1,200.00	..	1 (temp.)		
Clerk.....do.....	1,200.00	..	1		
Clerk*.....do.....	840.00	..	1		
Field assistants, \$100 and \$85.....per month.....		..	2 (temp.)		
Clerks, laboratory aid, greenhouse assistant, messenger boy, and col-laborator, \$900 to \$360.....per annum.....		3	8 (temp.)		
Wages:					
Miscellaneous temporary labor—\$900 to \$300.....do.....		8	10		
\$3.25 to \$1.....per diem.....		..	20		
Salaries.....		\$30,380.00	\$22,949.33		
Wages.....		5,820.00	8,394.19		
Other objects of expenditure:					
Stationery.....		1,200.00	379.53		
Traveling expenses.....		12,000.00	6,920.04		
Equipment and material.....		3,000.00	3,282.51		
Miscellaneous items.....		8,140.00	7,563.48		
Construction work.....			4,925.00		
Total.....		60,540.00	54,414.08		
* Transferred to statutory roll in Agricultural act for 1918. † Recommended for transfer to statutory roll in estimates for 1919. ‡ This construction work consisted of the following buildings at the Arlington Farm:					
1 plant house, containing 10,500 cubic feet, at 4½ cents per cubic foot.....			\$475.00		
1 greenhouse, containing 38,700 cubic feet, at 4 cents per cubic foot.....			1,450.00		
1 greenhouse, containing 38,700 cubic feet, at 3½ cents per cubic foot.....			1,400.00		
1 sweet potato storage house, containing 8,000 cubic feet, at 7½ cents per cubic foot.....			600.00		
1 hot-water heated greenhouse pit, containing 9,000 cubic feet, at 11½ cents per cubic foot.....			1,000.00		
(96) For continuing the necessary improvements to establish and maintain a general experiment farm and agricultural station on the Arlington estate, in the State of Virginia, in accordance with the provisions of the act of Congress approved April eighteenth, nineteen hundred, \$21,900: <i>Provided</i> , That the limitation in this act as to the cost of farm buildings shall not apply to this paragraph (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs.1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>).....				\$21,900.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Assistant horticulturist.....per annum..	\$2,400.00	1	1		
Assistant farm superintendent*.....do.....	1,680.00	..	1		
Mechanic.....do.....	1,000.00	1 (temp.)	1 (temp.)		
Gardener*.....do.....	720.00	..	1		
Orchardist and messenger boy, \$900 and \$360.....do.....		..	2 (temp.)		
Wages:					
Laborers,* \$2 and \$1.50.....per diem.....		..	4		
Miscellaneous temporary labor—\$900 to \$600.....per annum.....		4	6		
\$4 to \$1.25.....per diem.....		20	24		
Salaries.....		\$2,900.00	\$4,211.00		
Wages.....		6,900.00	657.52		
Other objects of expenditure:					
Stationery.....		100.00	309.72		
Traveling expenses.....		200.00			
Equipment and material.....		4,600.00	2,580.61		
Telephone and telegraph service.....		200.00	180.34		
Miscellaneous items.....		7,600.00	5,495.78		
Total.....		21,900.00	13,434.97		
* Transferred to statutory roll in Agricultural act for 1918.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>		
(97) For investigations in foreign seed and plant introduction, including the study, collection, purchase, testing, propagation, and distribution of rare and valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants from foreign countries and from our possessions, and for experiments with reference to their introduction and cultivation in this country [\$93,040] (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>). \$91,440.00		

NOTE.—There is an apparent decrease in this item of \$1,600, due to the transfer of one clerk, class 3, to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Agricultural explorer in charge per annum . . .	\$4,000 00	1	1
Agricultural explorer do . . .	2,500 00	1	1
Agricultural explorer do . . .	2,000 00	1	1
Pathologist do . . .	3,500 00	1	1
Plant introducer do . . .	3,200 00	1	1
Plant introducer do . . .	2,520 00	1	1
Botanical assistant do . . .	2,400 00	1	1
Botanical assistant do . . .	2,280 00	1	1
Botanical assistant do . . .	2,000 00	1	..
Botanical assistant do . . .	1,620 00	1	..
Farm superintendents do . . .	2,000 00	2	2
Field-station superintendent do . . .	1,800 00	1	1
Plant propagator do . . .	1,620 00	1	1
Plant propagator do . . .	1,200 00	..	1 (temp.)
Plant propagator do . . .	1,080 00	..	1 (temp.)
Assistants in plant introduction do . . .	1,620 00	2	2
Assistant in plant introduction do . . .	1,400 00	1	..
Assistants in plant introduction do . . .	1,200 00	2	1
Scientific assistant do . . .	1,400 00	1	..
Scientific assistant do . . .	1,260 00	1	..
Field-station aid do . . .	1,000 00	1	1
Clerks, \$900 and \$840* do	3
Messenger boys* do . . .	360 00	..	2
Field-station aids, laboratory aids, and collaborators—			
\$900 to \$1 do	23	23
\$75 to \$25 per month	5
Wages:			
Laborers, \$720 to \$480* per annum	9
Miscellaneous temporary labor—			
\$840 to \$300 do	7	35
\$4.40 to \$0.80 per diem	1	36
Salaries		\$49,654.00	\$41,480.61
Wages		5,000.00	9,703.17
Other objects of expenditure:			
Stationery		3,000.00	1,838.43
Traveling expenses		7,000.00	6,899.21
Equipment and material		11,500.00	5,747.33
Miscellaneous items		10,055.00	4,730.24
Constructions work		5,230.00	4,773.70
Total		91,440.00	75,172.69

* Transferred to statutory roll in Agricultural act for 1918.

a This construction work will consist of the following:

1 storage house and healing-in shed, at the plant introduction field station, Rockville, Md., 61,440 cubic feet, at approximately 2.4 cents per cubic foot	\$1,500.00
1 bath house, at above station, 80,000 cubic feet, at 1½ cents per cubic foot	1,000.00
1 implement shed, at above location, 24,000 cubic feet, at 1½ cents per cubic foot	380.00
1 cold-storage house, at plant introduction field station, Chico, Cal., 2,880 cubic feet, at 5.2 cents per cubic foot	1,500.00
1 propagating house, at plant introduction field station, Bellingham, Wash., 4,200 cubic feet, at 20½ cents per cubic foot	850.00

b This construction work consisted of the following:

1 barn, at plant introduction field station, Chico, Cal., 72,000 cubic feet, at approximately 1½ cents per cubic foot	1,100.00
¼ mile fencing, at above location	85.00
1 propagating greenhouse, at plant introduction field station, at Rockville, Md., 3,612 cubic feet, at 19½ cents per cubic foot	700.00
1 propagating greenhouse, at above location, 4,200 cubic feet, at 20½ cents per cubic foot	850.00
Remodeling 1 potting shed and service building, at above location, 37,104 cubic feet, at approximately 3 cents per cubic foot	1,100.00
1 addition to barn, at plant introduction field station, Brooksville, Fla., 6,375 cubic feet, at approximately 5 cents per cubic foot	323.15
Walling in tank house, at above location, 393 cubic feet, at 10 cents per cubic foot	39.97
Screening in porch of superintendent's cottage, at same location	20.52
1 greenhouse, at same location, 8,390½ cubic feet, at approximately 3 cents per cubic foot	267.54
1 pump house, at plant introduction field station, Miami, Fla., 3,000 cubic feet, at 1.7 cents per cubic foot	50.65
900 feet wire fence, same location	93.06
1 room, addition to laboratory, same location, 1,152 cubic feet, at 12½ cents per cubic foot	143.81

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
General Expenses, Bureau of Plant Industry—Continued.		
(98) [For the purchase, preparation, and irrigation of not to exceed one hundred and fifty acres of land at Chico, Butte County, California, \$35,000.]		
NOTE.—This item is omitted, as the object of the appropriation will be accomplished during the current fiscal year.		
(99) For the purchase, propagation, testing, and distribution of new and rare seeds; for the investigation and improvement of grasses, alfalfa, clover, and other forage crops, including the investigation of the utilization of cacti and other dry-land plants; and to conduct investigations to determine the most effective methods of eradicating weeds, \$143,180: <i>Provided</i> , That of this amount not to exceed \$60,000 may be used for the purchase and distribution of such new and rare seeds (<i>acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1</i>).—\$143,180.00		
Forage-crop investigations.		
		</

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Plant Industry—Continued.</i>					
<i>New and rare seeds.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Assistant.....per annum..	\$2,040.00	1	1		
Assistant.....do.....	1,200.00	1	1		
Clerk.....do.....	1,000.00	1	1 (temp.)		
Clerks, \$1,200 to \$840 *.....do.....		3	3		
Clerks.....do.....	900.00	8 (temp.)	6 (temp.)		
Wages:					
Miscellaneous temporary labor—					
\$60 to \$30.....per month.....		4	9		
Salaries.....		\$3,600.00	\$3,610.56		
Wages.....		1,440.00	401.20		
Other objects of expenditure:					
Stationery.....		2,000.00	517.81		
Traveling expenses.....		500.00	71.89		
Equipment and material.....		2,000.00	900.84		
Miscellaneous items, including seed and freight.....		50,460.00	54,243.46		
Total.....		60,000.00	59,745.76		

* Transferred to statutory roll in Agricultural act for 1918.

- (100) For general administrative expenses connected with the above-mentioned lines of investigation, including the office of the chief of bureau, the assistant chief of bureau, the chief clerk, the officers in charge of publications, records, supplies, and property, and for miscellaneous expenses incident thereto (acts Apr. 18, 1900, vol. 31, pp. 135, 136, secs. 1-5; Aug. 24, 1912, vol. 37, pp. 506, 507, secs. 1-4; Mar. 4, 1917, vol. 39, pp. 1140-1143, sec. 1).....\$31,020.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Physiologist and associate chief of bureau.....per annum..	\$4,500.00	1	1
Scientific assistants.....do.....	1,800.00	2	2
Scientific assistant.....do.....	1,440.00	1	1
Botanical assistant.....do.....	1,600.00	1	1
Clerk *.....do.....	1,500.00	1	1
Clerks, \$1,400 to \$1,000.....do.....		5	5
Agent.....do.....	1,500.00	1	1 (temp.)
Agent.....do.....	1,200.00	1	1 (temp.)
Gardener *.....do.....	783.00	1	1
Laboratory aid *.....do.....	720.00	1	1
Messenger boys, \$600 to \$360 *.....do.....		2	2
Charwoman *.....do.....	240.00	1	1
Clerks, laboratory aids, student assistants, messenger boys, and collaborators, \$840 to \$1.....do.....		8 (temp.)	25 (temp.)
Wages:			
Miscellaneous temporary labor—			
\$600 to \$240.....do.....		20	44
\$4.50 to \$2.....per diem.....		5	5
Salaries.....		\$13,300.00	\$13,725.79
Wages.....		4,500.00	4,479.95
Other objects of expenditure:			
Stationery.....		5,000.00	2,524.23
Traveling expenses.....		600.00	456.40
Equipment and material.....		5,750.00	4,971.75
Telephone and telegraph service.....		370.00	363.14
Miscellaneous items.....		1,500.00	1,343.73
Total.....		31,020.00	27,864.99

* Transferred to statutory roll in Agricultural act for 1918.

In all, for general expenses.....\$2,215,698.00 \$2,480,530.00

Appropriations for 1909.....	\$896,266	Estimates for 1910.....	\$1,127,006
Appropriations for 1910.....	1,181,796	Estimates for 1911.....	1,133,346
Appropriations for 1911.....	1,193,346	Estimates for 1912.....	1,347,326
Appropriations for 1912.....	1,441,536	Estimates for 1913.....	1,438,590
Appropriations for 1913.....	1,658,080	Estimates for 1914.....	2,099,680
Appropriations for 1914.....	1,944,305	Estimates for 1915.....	2,237,135
Appropriations for 1915.....	2,881,875	Estimates for 1916.....	1,573,273
Appropriations for 1916.....	1,462,460	Estimates for 1917.....	1,571,990
Deficiency act.....	323,000		
Appropriations for 1917.....	1,866,340	Estimates for 1918.....	1,974,530
Appropriations for 1918.....	2,480,530	Estimates for 1919.....	2,215,698

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p><i>Purchase and Distribution of Valuable Seeds—</i></p> <p>(101) For purchase, propagation, testing, and congressional distribution of valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants; all necessary office fixtures and supplies, fuel, transportation, paper, twine, gum, postal cards, gas, electric current, rent outside of the District of Columbia, official traveling expenses, and all necessary material and repairs for putting up and distributing the same; for repairs and the employment of local and special agents, clerks, assistants, and other labor required, in the city of Washington and elsewhere, ["\$243,720"] \$242,320. And the Secretary of Agriculture is hereby directed to expend the said sum, as nearly as practicable, in the purchase, testing, and distribution of such valuable seeds, bulbs, shrubs, vines, cuttings, and plants, the best he can obtain at public or private sale, and such as shall be suitable for the respective localities to which the same are to be apportioned, and in which same are to be distributed as hereinafter stated, and such seeds so purchased shall include a variety of vegetable and flower seeds suitable for planting and culture in the various sections of the United States: <i>Provided</i>, That the Secretary of Agriculture, after due advertisement and on competitive bids, is authorized to award the contract for the supplying of printed packets and envelopes and the packeting, assembling, and mailing of the seeds, bulbs, shrubs, vines, cuttings, and plants, or any part thereof, for a period of not more than five years nor less than one year, if by such action he can best protect the interests of the United States. An equal proportion of five-sixths of all seeds, bulbs, shrubs, vines, cuttings, and plants, shall upon their request, after due notification by the Secretary of Agriculture that the allotment to their respective districts is ready for distribution, be supplied to Senators, Representatives, and Delegates in Congress for distribution among their constituents, or mailed by the department upon the receipt of their addressed franks, in packages of such weight as the Secretary of Agriculture and the Postmaster General may jointly determine: <i>Provided, however</i>, That upon each envelope or wrapper containing packages of seeds the contents thereof shall be plainly indicated, and the Secretary shall not distribute to any Senator, Representative, or Delegate seeds entirely unfit for the climate and locality he represents, but shall distribute the same so that each Member may have seeds of equal value, as near as may be, and the best adapted to the locality he represents: <i>Provided, also</i>, That the seeds allotted to Senators and Representatives for distribution in the districts embraced within the twenty-fifth and thirty-fourth parallels of latitude shall be ready for delivery not later than the tenth day of January: <i>Provided, also</i>, That any portion of the allotments to Senators, Representatives, and Delegates in Congress remaining uncalled for on the first day of April shall be distributed by the Secretary of Agriculture, giving preference to those persons whose names and addresses have been furnished by Senators and Representatives in Congress and who have not before during the same season been supplied by the department: <i>And provided, also</i>, That the Secretary shall report, as provided in this act, the place, quantity, and price of seeds purchased, and the date of purchase; but nothing in this paragraph shall be construed to prevent the Secretary of Agriculture from sending seeds to those who apply for the same. And the amount herein appropriated shall not be diverted or used for any other purpose but for the purchase, testing, propagation, and distribution of valuable seeds, bulbs, mulberry and other rare and valuable trees, shrubs, vines, cuttings, and plants (<i>act Mar. 4, 1917, vol. 39, pp. 1143, 1144, sec. 1</i>). -----</p>	<p align="right">\$242, 320. 00</p>	<p align="right">\$243, 720.00</p>

NOTE.—There is an apparent decrease in this item of \$1,400, due to the

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Purchase and Distribution of Valuable Seeds—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Agronomist in charge..... per annum..	\$3,000.00	1	1		
Superintendents..... do....	3,000.00	2	2		
Horticulturist..... do....	2,460.00	1	1		
Plant propagator..... do....	1,080.00	..	1 (temp.)		
Clerk †..... do....	1,400.00	..	1		
Messenger boy*..... do....	360.00	..	1		
Student assistant, watchman, and charwoman, \$75 to \$25..... per month..		3	3		
Wages:					
Miscellaneous temporary labor—					
\$720 to \$300..... per annum..		2	18		
\$4 to \$2..... per diem..		1	10		
\$0.15..... per hour..		..	16		
Salaries.....		\$12,240.00	\$15,016.00		
Wages.....		2,066.00	4,414.08		
Other objects of expenditure:					
Stationery.....		4,000.00	2,344.58		
Traveling expenses.....		2,000.00	2,022.32		
Equipment and material.....		5,000.00	5,652.74		
Miscellaneous items (including seeds).....		217,014.00	222,824.63		
Total.....		242,320.00	252,274.35		
*Transferred to statutory roll in Agricultural act for 1918.					
†Recommended for transfer to statutory roll in estimates for 1919.					
Deficiency appropriation.....	\$50,000				
Appropriation for 1909.....	258,000	Estimate for 1910.....	\$243,680		
Appropriation for 1910.....	317,960	Estimate for 1911.....	309,590		
Appropriation for 1911.....	309,590	Estimate for 1912.....	301,680		
Appropriation for 1912.....	289,680	Estimate for 1913.....	285,680		
Appropriation for 1913.....	285,680	Estimate for 1914.....	263,900		
Appropriation for 1914.....	296,000	Estimate for 1915.....			
Appropriation for 1915.....	257,000	Estimate for 1916.....	252,540		
Appropriation for 1916.....	252,540	Estimate for 1917.....	252,540		
Appropriation for 1917.....	252,540	Estimate for 1918.....	243,720		
Appropriation for 1918.....	243,720	Estimate for 1919.....	242,320		
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i>					
GENERAL EXPENSES—BUREAU OF PLANT INDUSTRY.					
1 clerk, \$1,800 per annum.					
1 clerk, \$1,500 per annum.					
1 clerk, \$1,400 per annum.					
12 clerks, at \$1,200 per annum each.					
1 clerk, \$1,080 per annum.					
5 clerks, at \$1,020 per annum each.					
9 clerks, at \$1,000 per annum each.					
39 clerks, at \$900 per annum each.					
8 clerks, at \$840 per annum each.					
1 clerk, \$780 per annum.					
3 clerks, at \$720 per annum each.					
PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.					
1 clerk, \$1,400 per annum.					
2 clerks, at \$900 per annum each.					
Total for Bureau of Plant Industry.....				\$2,898,038.00	\$3,143,630.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
FOREST SERVICE.		
<i>Salaries, Forest Service—</i>		
(1) One forester, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1; Mar. 4, 1917, vol. 39, pp. 1144, 1145, sec. 1</i>)	\$5,000.00	
(2) One chief of office of accounts and fiscal agent (<i>same acts</i>)	2,500.00	
(3) One inspector of records (<i>same acts</i>)	2,400.00	
(4) Seven district fiscal agents, at \$2,120 each (<i>same acts</i>)	14,840.00	
(5) One forest supervisor (<i>same acts</i>)	2,800.00	
(6) One forest supervisor (<i>same acts</i>)	2,700.00	
(7) Eight forest supervisors, at \$2,400 each (<i>same acts</i>)	19,200.00	
(8) Twenty forest supervisors, at \$2,200 each (<i>same acts</i>)	44,000.00	
(9) Forty-nine forest supervisors, at \$2,000 each (increase of 1 by transfer from lump fund for national forests) (<i>same acts</i>)	98,000.00	
(10) Sixty-six forest supervisors, at \$1,800 each (<i>same acts</i>)	118,800.00	
(11) Five forest supervisors, at \$1,600 each (<i>same acts</i>)	8,000.00	
(12) One deputy forest supervisor (<i>same acts</i>)	1,800.00	
(13) Four deputy forest supervisors, at \$1,700 each (<i>same acts</i>)	6,800.00	
(14) Twenty-eight deputy forest supervisors, at \$1,600 each (<i>same acts</i>)	44,800.00	
(15) Thirty-one deputy forest supervisors, at \$1,500 each (<i>same acts</i>) ..	46,500.00	
(16) Eighteen deputy forest supervisors, at \$1,400 each (<i>same acts</i>) ...	25,200.00	
(17) Eleven forest rangers, at \$1,500 each (increase of 1 by transfer from lump fund for national forests) (<i>same acts</i>)	16,500.00	
(18) Twenty-three forest rangers, at \$1,400 each (increase of 1 by transfer from lump fund for national forests) (<i>same acts</i>)	32,200.00	
(19) Seventy-eight forest rangers, at \$1,300 each (<i>same acts</i>)	101,400.00	
(20) Two hundred and eighty-eight forest rangers, at \$1,200 each (increase of 1 by transfer from lump fund for land classification) (<i>same acts</i>)	345,600.00	
(21) Six hundred and thirty forest rangers, at \$1,100 each (decrease of 20 by change to forest guards, at same salary; 10 changed to 20 for 6 months periods and 10 changed to 40 for 3 months periods, as below) (<i>same acts</i>)	693,000.00	

NOTE.—These changes are recommended for the reason that during the summer months the fire danger on the forests and the volume of business resulting from the use of forest resources are greatly increased. The force employed at this season must necessarily be largely in excess of the number employed during other seasons. The losses from fires during the past summer were especially severe, and it is desired to increase the number of guards on service during the period of greatest hazard. The proposed change will not result in any increase in the total amount for salaries.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Forest Service—Continued.</i>		
(22) One hundred forest guards, at \$1,100 each, for periods not exceeding six months in the aggregate (increase of 20 in lieu of 10 forest rangers at same salary, as above) (<i>R. S.</i> , p. 87, secs. 520-523; acts <i>Mar. 2, 1901</i> , vol. 31, p. 929, sec. 1; <i>Mar. 4, 1917</i> , vol. 39, pp. 1144, 1145, sec. 1) -----	\$55,000.00	
NOTE.—See note under item 21.		
(23) Forty forest guards, at \$1,100 each, for periods not exceeding three months in the aggregate (in lieu of 10 forest rangers at same salary, as above) (<i>same acts</i>) -----	11,000.00	
NOTE.—See note under item 21.		
(24) One clerk (<i>same acts</i>) -----	2,100.00	
(25) Four clerks, at \$2,000 each (<i>same acts</i>) -----	8,000.00	
(26) Nineteen clerks, at \$1,800 each (<i>same acts</i>) -----	34,200.00	
(27) Twenty-one clerks, at \$1,600 each (<i>same acts</i>) -----	33,600.00	
(28) Nine clerks, at \$1,500 each (<i>same acts</i>) -----	13,500.00	
(29) Twenty-three clerks, at \$1,400 each (increase of 1 by transfer from lump fund for survey of lands) (<i>same acts</i>) -----	32,200.00	
(30) Nine clerks, at \$1,300 each (<i>same acts</i>) -----	11,700.00	
(31) One hundred and thirty-eight clerks, at \$1,200 each (increase of 2 by transfer from lump fund for national forests) (<i>same acts</i>) ---	165,600.00	
(32) Ninety-five clerks, at \$1,100 each (<i>same acts</i>) -----	104,500.00	
(33) Fifty-four clerks, at \$1,020 each (increase of 1 by transfer from lump fund for forest products) (<i>same acts</i>) -----	55,080.00	
(34) Thirty clerks, at \$960 each (<i>same acts</i>) -----	28,800.00	
(35) One hundred and twenty-two clerks, at \$900 each (increase of 5, 4 by transfer from lump fund for national forests, and 1 from miscellaneous forest investigations) (<i>same acts</i>) -----	109,800.00	
(36) Two clerks, at \$840 each (<i>same acts</i>) -----	1,680.00	
(37) One clerk (by transfer from lump fund for forest products) (<i>same acts</i>) -----	600.00	
(38) One clerk or proof reader (<i>same acts</i>) -----	1,400.00	
(39) One clerk or translator (<i>same acts</i>) -----	1,400.00	
(40) One compiler (<i>same acts</i>) -----	1,800.00	
(41) One draftsman (<i>same acts</i>) -----	2,000.00	
(42) One draftsman or surveyor (<i>same acts</i>) -----	1,800.00	
(43) Three draftsmen, at \$1,600 each (<i>same acts</i>) -----	4,800.00	
(44) One clerk or compositor (<i>same acts</i>) -----	1,600.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Forest Service—Continued.</i>		
(45) Three draftsmen or surveyors, at \$1,600 each (increase of 1 by transfer from lump fund for land classification) (<i>R. S., p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1; Mar. 4, 1917, vol. 39, pp. 1144, 1145, sec. 1</i>).....	\$4,800. 00	
(46) Sixteen draftsmen or surveyors, at \$1,500 each (increase of 3, 2 by transfer from lump fund for survey of lands, and 1 from land classification) (<i>same acts</i>)	24,000. 00	
(47) Six draftsmen or surveyors, at \$1,400 each (increase of 4, 2 by transfer from lump fund for land classification, and 2 from survey of lands) (<i>same acts</i>)	8,400. 00	
(48) Two draftsmen, at \$1,500 each (<i>same acts</i>)	3,000. 00	
(49) Nine draftsmen, at \$1,400 each (<i>same acts</i>)	12,600. 00	
(50) Four draftsmen, at \$1,300 each (<i>same acts</i>)	5,200. 00	
(51) Sixteen draftsmen, at \$1,200 each (increase of 3, 2 by transfer from lump fund for survey of lands, and 1 from land classification) (<i>same acts</i>)	19,200. 00	
(52) Two draftsmen, at \$1,100 each (<i>same acts</i>)	2,200. 00	
(53) Three draftsmen, at \$1,020 each (<i>same acts</i>)	3,060. 00	
(54) One draftsman (<i>same acts</i>)	1,000. 00	
(55) One draftsman (<i>same acts</i>)	960. 00	
(56) Twelve draftsmen or map colorists, at \$900 each (<i>same acts</i>)	10,800. 00	
(57) One draftsman or artist (<i>same acts</i>)	1,200. 00	
(58) One draftsman or negative cutter (<i>same acts</i>)	1,200. 00	
(59) One artist (<i>same acts</i>)	1,600. 00	
(60) One artist (<i>same acts</i>)	1,000. 00	
(61) One photographer (<i>same acts</i>)	1,600. 00	
(62) One photographer (<i>same acts</i>)	1,400. 00	
(63) One photographer (<i>same acts</i>)	1,200. 00	
(64) One photographer (<i>same acts</i>)	1,100. 00	
(65) One lithographer or photographer (by change of title from lithographer, \$1,200) (<i>same acts</i>)	1,200. 00	
NOTE.—This change in title is proposed in order to make it possible to employ either a lithographer or a photographer, according to the requirements of the service.		
(66) One lithographer's helper (<i>same acts</i>)	780. 00	
(67) One blue-printer (by transfer from lump fund for general administration) (<i>same acts</i>)	900. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Forest Service—Continued.</i>		
(68) One blue-printer (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1; Mar. 4, 1917, vol. 39, pp. 1144, 1145, sec. 1) -----	\$720. 00	
(69) Two telephone operators, at \$600 each (by transfer from lump fund for general administration) (<i>same acts</i>) -----	1, 200. 00	
(70) One machinist (<i>same acts</i>) -----	1, 260. 00	
(71) Two carpenters, at \$1,200 each (<i>same acts</i>) -----	2, 400. 00	
(72) Three carpenters, at \$1,000 each (<i>same acts</i>) -----	3, 000. 00	
(73) One carpenter (<i>same acts</i>) -----	960. 00	
(74) One electrician (<i>same acts</i>) -----	1, 020. 00	
(75) One laboratory aid and engineer (<i>same acts</i>) -----	1, 000. 00	
(76) Nine laboratory aids and engineers, at \$900 each (<i>same acts</i>) -----	8, 100. 00	
(77) Two laboratory aids and engineers, at \$800 each (<i>same acts</i>) -----	1, 600. 00	
(78) One laboratory helper (<i>same acts</i>) -----	720. 00	
(79) One laboratory helper (<i>same acts</i>) -----	600. 00	
(80) One packer (<i>same acts</i>) -----	1, 000. 00	
(81) One packer (<i>same acts</i>) -----	780. 00	
(82) Four watchmen, at \$840 each (<i>same acts</i>) -----	3, 360. 00	
(83) Two messengers or laborers, at \$960 each (increase of 1 by transfer from lump fund for miscellaneous forest investigations) (<i>same acts</i>) -----	1, 920. 00	
(84) Three messengers or laborers, at \$900 each (<i>same acts</i>) -----	2, 700. 00	
(85) Four messengers or laborers, at \$840 each (<i>same acts</i>) -----	3, 360. 00	
(86) Three messengers or laborers, at \$780 each (<i>same acts</i>) -----	2, 340. 00	
(87) Five messengers or laborers, at \$720 each (increase of 1 by transfer from lump fund for forest products) (<i>same acts</i>) -----	3, 600. 00	
(88) Six messengers or laborers, at \$660 each (<i>same acts</i>) -----	3, 960. 00	
(89) Five messengers, messenger boys, or laborers, at \$600 each (<i>same acts.</i>) -----	3, 000. 00	
(90) Two messengers, messenger boys, or laborers, at \$540 each (<i>same acts</i>) -----	1, 080. 00	
(91) Three messengers or messenger boys, at \$480 each (<i>same acts</i>) -----	1, 440. 00	
(92) Three messengers or messenger boys, at \$420 each (<i>same acts</i>) -----	1, 260. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Forest Service—Continued.</i>		
(93) Thirteen messengers or messenger boys, at \$360 each (increase of 2 by transfer from lump fund for general administration) (<i>R. S., p. 87, secs. 520-523; acts Mar. 2, 1901, vol. 31, p. 929, sec. 1; Mar. 4, 1917, vol. 39, pp. 1144, 1145, sec. 1</i>)	\$4,680.00	
(94) One charwoman (<i>same acts</i>)	540.00	
(95) One charwoman (<i>same acts</i>)	480.00	
(96) One charwoman (<i>same acts</i>)	300.00	
(97) Eleven charwomen, at \$240 each (<i>same acts</i>)	2,640.00	
	<hr/>	
Appropriations for 1909..... \$144,300	Estimates for 1910..... \$60,200	
Appropriations for 1910..... 60,200	Estimates for 1911..... 60,200	
Appropriations for 1911..... 60,200	Estimates for 1912..... 2,318,680	
Appropriations for 1912..... 2,318,680	Estimates for 1913..... 2,290,610	
Appropriations for 1913..... 2,235,760	Estimates for 1914..... 2,212,810	
Appropriations for 1914..... 2,239,560	Estimates for 1915..... 2,305,160	
Appropriations for 1915..... 2,305,160	Estimates for 1916..... 2,335,580	
Appropriations for 1916..... 2,335,580	Estimates for 1917..... 2,361,120	
Appropriations for 1917..... 2,361,320	Estimates for 1918..... 2,449,580	
Appropriations for 1918..... 2,447,800	Estimates for 1919..... 2,483,620	
NOTE.—Apparent increase, \$35,820; no actual increase, as follows:		
<i>Transfers from lump funds of the Forest Service, which funds have been correspondingly reduced.</i>		
1 forest supervisor, from national forests.....	\$2,000	
1 forest ranger, from national forests.....	1,500	
1 forest ranger, from national forests.....	1,400	
1 forest ranger, from land classification.....	1,200	
1 clerk, from survey of lands.....	1,400	
2 clerks, at \$1,200 each, from national forests.....	2,400	
1 clerk, from forest products.....	1,020	
5 clerks, at \$900 each, 4 from national forests, and 1 from miscellaneous forest investigations.....	4,500	
1 clerk, from forest products.....	600	
1 draftsman or surveyor, from land classification.....	1,600	
3 draftsmen or surveyors, at \$1,500 each; 2 from survey of lands, and 1 from land classification.....	4,500	
4 draftsmen or surveyors, at \$1,400 each; 2 from land classification, and 2 from survey of lands.....	5,600	
3 draftsmen, at \$1,200 each; 2 from survey of lands, and 1 from land classification.....	3,600	
1 blue printer, from general administration.....	900	
2 telephone operators, at \$600 each, from general administration.....	1,200	
1 messenger or laborer, from miscellaneous forest investigations.....	960	
1 messenger or laborer, from forest products.....	720	
2 messengers or messenger boys, at \$360 each, from general administration.....	720	
	<hr/>	
Apparent increase.....	35,820	
<i>Change of title.</i>		
20 forest rangers, at \$1,100 each (full time), changed to 20 forest guards, at \$1,100 each (half time), and 40 forest guards, at \$1,100 each (one-fourth time).		
1 lithographer or photographer, \$1,200, in lieu of 1 lithographer, \$1,200.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—</i>		
<p>(98) To enable the Secretary of Agriculture to experiment and to make and continue investigations and report on forestry, national forests, forest fires, and lumbering, but no part of this appropriation shall be used for any experiment or test made outside the jurisdiction of the United States; to advise the owners of woodlands as to the proper care of the same; to investigate and test American timber and timber trees and their uses, and methods for the preservative treatment of timber; to seek, through investigations and the planting of native and foreign species, suitable trees for the treeless regions; to erect necessary buildings: <i>Provided</i>, That the cost of any building erected shall not exceed \$650; to pay all expenses necessary to protect, administer, and improve the national forests; to ascertain the natural conditions upon and utilize the national forests; and the Secretary of Agriculture may, in his discretion, permit timber and other forest products cut or removed from the national forests to be exported from the State or Territory in which said forests are respectively situated; to transport and care for fish and game supplied to stock the national forests or the waters therein; to employ agents, clerks, assistants, and other labor required in practical forestry and in the administration of national forests in the city of Washington and elsewhere; to collate, digest, report, and illustrate the results of experiments and investigations made by the Forest Service; to purchase necessary supplies, apparatus, and office fixtures, and technical books and technical journals for officers of the Forest Service stationed outside of Washington, and for medical supplies and services and other assistance necessary for immediate relief of artisans, laborers, and other employees engaged in any hazardous work under the Forest Service; to pay freight, express, telephone, and telegraph charges; for electric light and power, fuel, gas, ice, washing towels, and official traveling and other necessary expenses, including traveling expenses for legal and fiscal officers while performing Forest Service work; and for rent outside of the District of Columbia, as follows (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1</i>):</p>		
<p>(99) For salaries and field and station expenses, including the maintenance of nurseries, collecting seed, and planting necessary for the use, maintenance, improvement, and protection of the national forests named below (<i>same acts</i>):</p>		
<p>NOTE.—In order to effect necessary changes in the protective and administrative organization of the national forests to meet more effectively the fluctuation in the volume of business transactions on the forests, it has been found necessary to recommend changes in the amounts specifically appropriated for 25 of the 147 national forests mentioned below. The protective organization on the individual forests consists of permanent or year-long employees provided on the statutory roll, together with the short-term guards and other protective forces employed during the fire season, who are paid from the lump-fund appropriations for the individual national forests. These forces are organized on the basis of average normal fire conditions and the volume of current business to be transacted. The fluctuations in the volume of business arise from differences in the amounts of timber sold, the number of stock grazed, the occupancy and other miscellaneous uses of the forest land, the number of applications for tracts of land for agricultural settlement under the act of June 11, 1906, etc. As these conditions vary from year to year, readjustments in these organizations become necessary, which may involve changes in the distribution of the statutory force as well as in the expenditures from the lump fund appropriations for the individual forests. These readjustments between forests must be made from year to year, but the present recommenda-</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.						Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1913.
<i>General Expenses, Forest Service—Continued.</i>							
tions, do not affect the aggregate of statutory-salary and lump fund appropriations, as shown by the following tabulation:							
National forest.	Transfer to statutory roll.	Apparent increase.	Apparent decrease.	Actual increase.	Actual decrease.		
Chugach.....	\$1,500		\$3,000		\$1,500		
Coeonino.....		\$4,261		\$4,261			
Coeur d'Alene.....	900		2,400		1,500		
Fremont.....			1,200		1,200		
Jefferson.....	900		900				
Lincoln.....		1,917		1,917			
Luquillo.....	2,000		800	1,200			
Manzano.....		1,630		1,630			
Malheur.....			1,500		1,500		
Monterey.....			1,000		1,000		
Nebraska.....			1,200		1,200		
Nevada.....	1,200		28	1,172			
Payette.....			2,000		2,000		
Plumas.....			791		791		
Salmon.....	1,200		1,200				
Sequoia.....			2,602		2,602		
Stanislaus.....			2,225		2,225		
Tongass.....		2,700		2,700			
Tonto.....		2,447		2,447			
Trinity.....			1,000		1,000		
Tusayan.....		3,363		3,363			
Uintah.....			1,172		1,172		
Wasatch.....	2,300		2,300				
Washakie.....			1,000		1,000		
New forests (Appalachian).....	900		900				
Total.....	10,900	16,318	27,218	18,690	18,690		

It will be noted that these adjustments do not involve any actual change in the total appropriation.

(100)	Absaroka National Forest, Montana.....	\$6,703.00
(101)	Angeles National Forest, California.....	11,926.00
(102)	Apache National Forest, Arizona.....	8,079.00
(103)	Arapahoe National Forest, Colorado.....	5,736.00
(104)	Arkansas National Forest, Arkansas.....	10,730.00
(105)	Ashley National Forest, Utah and Wyoming.....	3,865.00
(106)	Battlement National Forest, Colorado.....	4,916.00
(107)	Beartooth National Forest, Montana.....	4,313.00
(108)	Beaverhead National Forest, Montana and Idaho..	5,296.00
(109)	Bighorn National Forest, Wyoming.....	6,937.00
(110)	Bitterroot National Forest, Montana.....	10,367.00
(111)	Blackfeet National Forest, Montana.....	12,969.00
(112)	Black Hills National Forest, South Dakota.....	12,668.00
(113)	Boise National Forest, Idaho.....	5,247.00
(114)	Bridger National Forest, Wyoming.....	3,159.00
(115)	Cabinet National Forest, Montana.....	9,133.00
(116)	Cache National Forest, Utah and Idaho.....	2,207.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>		
(117) California National Forest, California	\$15,028.00	
(118) Caribou National Forest, Idaho and Wyoming	6,403.00	
(119) Carson National Forest, New Mexico	9,302.00	
(120) Cascade National Forest, Oregon	7,835.00	
(121) Challis National Forest, Idaho	3,668.00	
(122) Chelan National Forest, Washington	6,260.00	
(123) Chugach National Forest, Alaska [\$10,938]	7,938.00	
(124) Clearwater National Forest, Idaho	12,665.00	
(125) Cleveland National Forest, California	8,433.00	
(126) Cochetopa National Forest, Colorado	5,931.00	
(127) Coconino National Forest, Arizona [\$12,107]	16,368.00	
(128) Coeur d'Alene National Forest, Idaho [\$39,117] ..	36,717.00	
(129) Colorado National Forest, Colorado	3,959.00	
(130) Columbia National Forest, Washington	9,758.00	
(131) Colville National Forest, Washington	6,883.00	
(132) Coronado National Forest, Arizona	9,044.00	
(133) Crater National Forest, Oregon and California	19,288.00	
(134) Crook National Forest, Arizona	3,735.00	
(135) Custer National Forest, Montana	2,830.00	
(136) Datil National Forest, New Mexico	11,009.00	
(137) Deerlodge National Forest, Montana	19,813.00	
(138) Deschutes National Forest, Oregon	10,175.00	
(139) Dixie National Forest, Utah and Arizona	1,596.00	
(140) Durango National Forest, Colorado	4,964.00	
(141) Eldorado National Forest, California and Nevada ..	10,238.00	
(142) Fillmore National Forest, Utah	4,987.00	
(143) Fishlake National Forest, Utah	2,320.00	
(144) Flathead National Forest, Montana	25,900.00	
(145) Florida National Forest, Florida	4,927.00	
(146) Fremont National Forest, Oregon [\$6,627]	5,427.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>		
(147) Gallatin National Forest, Montana	\$4, 810. 00	
(148) Gila National Forest, New Mexico	8, 907. 00	
(149) Gunnison National Forest, Colorado	5, 371. 00	
(150) Harney National Forest, South Dakota	6, 535. 00	
(151) Hayden National Forest, Wyoming and Colorado ..	5, 868. 00	
(152) Helena National Forest, Montana	4, 012. 00	
(153) Holy Cross National Forest, Colorado	6, 394. 00	
(154) Humboldt National Forest, Nevada	5, 780. 00	
(155) Idaho National Forest, Idaho	11, 585. 00	
(156) Inyo National Forest, California and Nevada	3, 076. 00	
(157) Jefferson National Forest, Montana [\$5,964]	5, 064. 00	
(158) Kaibab National Forest, Arizona	2, 708. 00	
(159) Kaniksu National Forest, Idaho and Washington ..	25, 146. 00	
(160) Klamath National Forest, California	20, 249. 00	
(161) Kootenai National Forest, Montana	17, 861. 00	
(162) La Sal National Forest, Utah and Colorado	2, 754. 00	
(163) Lassen National Forest, California	14, 181. 00	
(164) Leadville National Forest, Colorado	5, 524. 00	
(165) Lemhi National Forest, Idaho	2, 490. 00	
(166) Lewis and Clark National Forest, Montana	5, 915. 00	
(167) Lincoln National Forest, New Mexico [\$8,067]	9, 984. 00	
(168) Lolo National Forest, Montana	11, 939. 00	
(169) Luquillo National Forest, Porto Rico [\$2,500]	1, 700. 00	
(170) Madison National Forest, Montana	3, 930. 00	
(171) Malheur National Forest, Oregon [\$7,591]	6, 091. 00	
(172) Manti National Forest, Utah	5, 090. 00	
(173) Manzano National Forest, New Mexico [\$4,230] ..	5, 860. 00	
(174) Medicine Bow National Forest, Wyoming	6, 450. 00	
(175) Michigan National Forest, Michigan	1, 981. 00	
(176) Minam National Forest, Oregon	6, 476. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1913.
<i>General Expenses, Forest Service—Continued.</i>		
(177) Minidoka National Forest, Idaho and Utah	\$4, 709. 00	
(178) Minnesota National Forest, Minnesota	2, 970. 00	
(179) Missoula National Forest, Montana	9, 380. 00	
(180) Modoc National Forest, California	7, 388. 00	
(181) Mono National Forest, Nevada and California	1, 647. 00	
(182) Monterey National Forest, California [\$4,547]	3, 547. 00	
(183) Montezuma National Forest, Colorado	4, 670. 00	
(184) Nebraska National Forest, Nebraska, \$1,165; and to extend the work to the Niobrara division thereof, \$5,000: <i>Provided</i> , That from the nurseries on said forest the Secretary of Agriculture, under such rules and regulations as he may prescribe, may furnish young trees free, so far as they may be spared, to residents of the territory covered by "An Act increasing the area of homesteads in a portion of Nebraska," approved April twenty-eighth, nineteen hundred and four: <i>Provided further</i> , That the Secretary of Agriculture is authorized to use so much of any of the funds herein appropriated for the Nebraska National Forest as may be necessary to acquire by purchase or condemnation lands in Nebraska which he may deem necessary and suitable for nursery sites to be used for the purpose of growing trees for planting on the Nebraska National Forest. For the purchase of land now under lease and used as a nursery site for the Niobrara division of the Nebraska National Forest, not exceeding \$1,200; in all, \$7,365 : <i>Provided further</i> , That the cost of any building erected at the nurseries on the Nebraska National Forest may amount to but shall not exceed \$1,000	6, 165. 00	
NOTE.—The matter in heavy brackets providing for the purchase of lands for nursery sites is omitted as the object of this legislation will be accomplished during the current fiscal year.		
(185) Nevada National Forest, Nevada [\$2,277]	2, 249. 00	
(186) Nez Perce National Forest, Idaho	12, 620. 00	
(187) Ochoco National Forest, Oregon	6, 451. 00	
(188) Okanogan National Forest, Washington	8, 964. 00	
(189) Olympic National Forest, Washington	16, 598. 00	
(190) Oregon National Forest, Oregon	16, 009. 00	
(191) Ozark National Forest, Arkansas	9, 030. 00	
(192) Payette National Forest, Idaho [\$10,537]	8, 537. 00	
(193) Pend Oreille National Forest, Idaho	12, 020. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>		
(194) Pike National Forest, Colorado -----	\$13,373.00	
(195) Plumas National Forest, California [\$20,594] ---	19,803.00	
(196) Powell National Forest, Utah -----	1,010.00	
(197) Prescott National Forest, Arizona -----	6,255.00	
(198) Ranier National Forest, Washington -----	13,035.00	
(199) Rio Grande National Forest, Colorado -----	7,157.00	
(200) Routt National Forest, Colorado -----	6,585.00	
(201) Saint Joe National Forest, Idaho -----	15,830.00	
(202) Salmon National Forest, Idaho [\$6,577] -----	5,377.00	
(203) San Isabel National Forest, Colorado -----	3,924.00	
(204) San Juan National Forest, Colorado -----	5,534.00	
(205) Santa Barbara National Forest, California -----	9,774.00	
(206) Santa Fe National Forest, New Mexico -----	14,673.00	
(207) Santiam National Forest, Oregon -----	7,852.00	
(208) Sawtooth National Forest, Idaho -----	4,953.00	
(209) Selway National Forest, Idaho -----	17,112.00	
(210) Sequoia National Forest, California [\$16,346] -----	13,744.00	
(211) Sevier National Forest, Utah -----	2,110.00	
(212) Shasta National Forest, California -----	17,425.00	
(213) Shoshone National Forest, Wyoming -----	7,381.00	
(214) Sierra National Forest, California -----	15,750.00	
(215) Sioux National Forest, South Dakota and Montana	2,640.00	
(216) Siskiyou National Forest, Oregon and California ---	12,660.00	
(217) Sitgreaves National Forest, Arizona -----	8,341.00	
(218) Siuslaw National Forest, Oregon -----	6,042.00	
(219) Snoqualmie National Forest, Washington -----	12,366.00	
(220) Sopris National Forest, Colorado -----	5,411.00	
(221) Stanislaus National Forest, California [\$16,922] ..	14,697.00	
(222) Superior National Forest, Minnesota -----	9,809.00	
(223) Tahoe National Forest, California and Nevada ----	16,337.00	
(224) Targhee National Forest, Idaho and Wyoming ----	9,558.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>		
(225) Teton National Forest, Wyoming	\$4, 404. 00	
(226) Toiyabe National Forest, Nevada	3, 694. 00	
(227) Tongass National Forest, Alaska [\$12,524]	15, 224. 00	
(228) Tonto National Forest, Arizona [\$4,525]	6, 972. 00	
(229) Trinity National Forest, California [\$20,484]	19, 484. 00	
(230) Tusayan National Forest, Arizona [\$9,541]	12, 904. 00	
(231) Uintah National Forest, Utah [\$5,727]	4, 555. 00	
(232) Umatilla National Forest, Oregon	6, 562. 00	
(233) Umpqua National Forest, Oregon	10, 109. 00	
(234) Uncompahgre National Forest, Colorado	6, 690. 00	
(235) Wallowa National Forest, Oregon	9, 617. 00	
(236) Wasatch National Forest, Utah [\$7,300]	5, 000. 00	
(237) Washakie National Forest, Wyoming [\$7,726]	6, 726. 00	
(238) Washington National Forest, Washington	7, 642. 00	
(239) Weiser National Forest, Idaho	6, 493. 00	
(240) Wenaha National Forest, Washington and Oregon	5, 420. 00	
(241) Wenatchee National Forest, Washington	11, 884. 00	
(242) White River National Forest, Colorado	6, 272. 00	
(243) Whitman National Forest, Oregon	17, 425. 00	
(244) Wichita National Forest, Oklahoma	2, 416. 00	
(245) Wyoming National Forest, Wyoming	5, 089. 00	
(246) Additional national forests created or to be created under section eleven of the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes at Large, page nine hundred and sixty-three), and lands under contract for purchase or for the acquisition of which condemnation proceedings have been instituted for the purposes of said Act, [\$66,100] \$65,200 [: Provided, That hereafter, all moneys received on account of permits for hunting, fishing, or camping, on lands acquired under authority of said Act, or any amendment or extension thereof, shall be disposed of as is provided by existing law for the disposition of receipts from national forests]	65, 200. 00	

NOTE.—The language in heavy brackets relating to the disposition of moneys received on account of certain permits is omitted, as this is continuing legislation.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>		
(247) For necessary miscellaneous expenses incident to the general administration of the Forest Service and of the national forests specified above (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1</i>):		
(248) In National Forest District One	\$61, 700. 00	
(249) In National Forest District Two [\$48,400]	47, 800. 00	
(250) In National Forest District Three	55, 200. 00	
(251) In National Forest District Four [\$50,400]	49, 500. 00	
(252) In National Forest District Five [\$70,100]	69, 740. 00	
(253) In National Forest District Six [\$61,400]	60, 800. 00	
(254) In National Forest District Seven	14, 900. 00	
(255) In the District of Columbia [\$123,930]	122, 850. 00	
(256) In all, for the use, maintenance, improvement, protection, and general administration of the specified national forests, [\$1,817,567] <i>\$1,803,127: Provided, That the foregoing amounts appropriated for such purposes shall be available interchangeably in the discretion of the Secretary of Agriculture for the necessary expenditures for fire protection and other unforeseen exigencies: Provided further, That the amounts so interchanged shall not exceed in the aggregate ten per centum of all the amounts so appropriated (same acts)</i>	\$1,803,127.90	

NOTE.—There is an apparent decrease in this item of \$14,440, but, taking into consideration transfers to the statutory roll of the Forest Service involving \$13,720 and the transfer of one watchman at \$720 to the statutory roll of the Secretary's office, there is actually no change.

National forests.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Forest examiner.....per annum..	\$2, 200. 00	1 (part time)	1 (part time)
Forest examiner.....do.....	1, 900. 00	5 (2 temp.)	6 (temp.)
Forest examiners.....do.....	1, 800. 00	4 (1 part time)	3 (1 part time)
Forest examiners.....do.....	1, 700. 00	9	21 (13 temp.)
Forest examiners.....do.....	1, 600. 00	18 (9 temp.)	26 (21 temp. and 1 part time)
Forest examiners.....do.....	1, 400. 00	8 (1 part time)	20 (12 temp. and 1 part time)
Forest examiners.....do.....	1, 400. 00	8	8 (temp.)
Forest examiners.....do.....	1, 200. 00	3	3
Forest examiners.....do.....	1, 100. 00	9 (1 temp.)	22 (19 temp.)
Grazing examiner.....do.....	1, 300. 00	1	1
Grazing examiner.....do.....	1, 400. 00	1	1
Grazing examiner.....do.....	1, 300. 00	1	1



Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1913.
<i>General Expenses, Forest Service—Continued.</i>					
<i>National forests—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Grazing examiner.....per annum.....	\$1,200.00	1	...		
Lumberman.....do.....	1,600.00	1	1		
Lumberman.....do.....	1,500.00	1	1		
Lumberman.....do.....	1,400.00	...	1 (temp.)		
Lumberman.....do.....	1,300.00	...	1 (temp.)		
Timber cruiser.....do.....	1,600.00	1	1		
Scaler.....do.....	1,600.00	1 (temp.)	1 (temp.)		
Scaler.....do.....	1,500.00	1 (temp.)	1 (temp.)		
Scalers.....do.....	1,400.00	6	8 (temp.)		
Scaler.....do.....	1,300.00	...	1 (temp.)		
Scalers.....do.....	1,200.00	1	4 (3 temp.)		
Scalers.....do.....	1,100.00	1 (part time)	2 (temp.)		
Scaler.....do.....	1,080.00	1 (temp.)	...		
Scalers.....do.....	1,020.00	...	4 (temp.)		
Scaler.....do.....	900.00	1	1		
Forest supervisor †.....do.....	2,000.00	...	1		
Forest supervisor.....do.....	1,900.00	...	1		
Forest supervisor.....do.....	1,800.00	...	1 (temp.)		
Deputy forest supervisor.....do.....	1,600.00	...	1		
Surveyors or draftsmen.....do.....	1,500.00	...	2 (temp.)		
Draftsmen, \$1,200 to \$900.....do.....	2 (temp.)		
Forest assistant.....do.....	1,200.00	3	12 (temp.)		
Forest assistants.....do.....	1,100.00	19 (3 temp.)	22 (16 temp.)		
Field assistants, \$1,080 to \$600.....do.....	4 (temp.)		
Grazing assistant.....do.....	1,400.00	1	...		
Grazing assistants.....do.....	1,200.00	3	5 (temp.)		
Forest ranger †.....do.....	1,500.00	...	1		
Forest ranger †.....do.....	1,400.00	...	1		
Forest ranger.....do.....	1,500.00	1	1		
Forest rangers.....do.....	1,300.00	3 (1 temp.)	6 (temp.)		
Forest rangers.....do.....	1,200.00	5	4 (temp.)		
Forest rangers.....do.....	1,100.00	60 (50 temp.)	146 (134 temp.)		
Forest rangers, \$900 to \$600.....do.....	...	37 (11 temp.)	37 (18 temp.)		
Forest guard.....do.....	1,800.00	1 (temp.)	1 (temp.)		
Forest guard.....do.....	1,320.00	...	1 (temp.)		
Forest guards.....do.....	1,300.00	...	2 (temp.)		
Forest guards.....do.....	1,200.00	5 (4 temp.)	10 (temp.)		
Forest guards.....do.....	1,140.00	...	2 (temp.)		
Forest guards.....do.....	1,100.00	505 (temp.)	749 (temp.)		
Clerk.....do.....	1,400.00	...	1 (temp.)		
Clerk.....do.....	1,320.00	1 (temp.)	1 (temp.)		
Clerks.....do.....	1,200.00	5	15 (temp.)		
Clerks.....do.....	1,100.00	2	4 (temp.)		
Clerk.....do.....	1,080.00	...	1 (temp.)		
Clerks.....do.....	1,020.00	...	2 (temp.)		
Clerk.....do.....	1,000.00	1 (temp.)	1 (temp.)		
Clerks, \$900 to \$300.....do.....	...	58 (50 temp.)	49 (45 temp.)		
Clerks †.....do.....	1,200.00	...	2		
Clerks †.....do.....	900.00	...	4		
Clerks, \$1,200 to \$900 *.....do.....	32		
Pilot and gas engineer.....do.....	1,500.00	1	1		
Gas engineer.....do.....	1,200.00	1	1		
Gas engineer.....do.....	1,020.00	...	1		
Logging engineer, scaler, draftsman, telephone operators, janitors, charwomen, transitmen, chainmen, compassmen, rodmen, guards, teamsters, and cooks—					
\$1,200 to \$12.....do.....	...	134 (78 temp.)	161 (126 temp.)		
\$7.20 to \$1.33.....per diem.....	...	423 (temp.)	661 (temp.)		
\$0.50 to \$0.20.....per hour.....	...	26 (temp.)	28 (temp.)		
Wages:					
Temporary laborers, \$1,260 per annum to \$0.25 per hour.....do.....	...	1,667	1,702		
Salaries.....do.....	...	\$410,652.00	\$399,827.16		
Wages.....do.....	...	290,687.00	295,235.28		
Other objects of expenditure:					
Stationery.....do.....	...	919.00	1,397.81		
Traveling expenses.....do.....	...	223,109.00	223,044.02		
Equipment and material.....do.....	...	141,029.00	187,614.99		
Telephone and telegraph service.....do.....	...	18,181.00	16,397.67		
Miscellaneous items.....do.....	...	236,060.00	175,272.99		
Total.....do.....	...	1,320,637.00	1,298,789.92		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>					
<i>General administration.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Associate forester.....per annum..	\$4,000.00	1	1		
Assistant foresters.....do.....	3,750.00	2 (1 part time)	3 (1 part time)		
Assistant forester.....do.....	3,500.00	1	1		
Assistant foresters.....do.....	3,200.00	2	2		
Chief engineer.....do.....	3,750.00	1	1		
Assistant chief engineer.....do.....	3,200.00	1	1 (part time)		
Engineer.....do.....	3,000.00	1	1		
Engineer.....do.....	2,600.00	1	1		
Engineers.....do.....	2,600.00	2	2		
Engineers.....do.....	2,400.00	2	2 (temp.)		
Engineers.....do.....	1,800.00	2 (1 part time)	1 (part time)		
Assistant engineer.....do.....	1,600.00	1	1 (part time)		
Attorney in charge of forest appeals.....do.....	3,250.00	1	1		
Chief of claims.....do.....	2,400.00	1	1		
Assistant in forest education.....do.....	1,800.00	1	1		
Statistical expert.....do.....	1,800.00	1	1 (temp.)		
Property assistant.....do.....	2,250.00	1	1		
Civil engineer.....do.....	2,200.00	1	1 (part time)		
Civil engineer.....do.....	2,000.00	1	1		
Civil engineer.....do.....	1,800.00	1	1 (part time)		
District foresters.....do.....	3,200.00	5	5		
District foresters.....do.....	3,000.00	1	1		
Assistant district foresters.....do.....	3,000.00	2	1		
Assistant district foresters.....do.....	2,900.00	3	5 (1 temp.)		
Assistant district foresters.....do.....	2,700.00	15	14		
Assistant district forester.....do.....	2,600.00	1	1		
Assistant district foresters.....do.....	2,500.00	3	3		
Assistant district foresters.....do.....	2,400.00	2	2		
Assistant district forester.....do.....	2,200.00	1	1		
Forest inspectors.....do.....	3,000.00	2	2 (1 part time)		
Forest inspectors.....do.....	3,000.00	2	2		
Forest inspectors.....do.....	2,800.00	2	2		
Forest inspectors.....do.....	2,000.00	3	2		
Inspector of records*.....do.....	2,400.00	1	1		
Inspector of grazings.....do.....	2,800.00	1	1		
Inspector of grazings.....do.....	2,400.00	1	1		
Inspector of grazings.....do.....	2,200.00	1	1		
Telephone engineer.....do.....	1,800.00	1	1 (temp.)		
Logging engineers.....do.....	2,800.00	1	2 (temp.)		
Logging engineer.....do.....	3,000.00	1	1		
Logging engineer.....do.....	2,600.00	1	1		
Logging engineer.....do.....	2,500.00	1	1		
Logging engineers.....do.....	2,400.00	1	2		
Logging engineers.....do.....	2,200.00	2	2		
Lumberman.....do.....	3,500.00	1	1		
Lumberman.....do.....	2,000.00	1	1		
Lumberman.....do.....	1,900.00	1	1		
Lumbermen.....do.....	1,800.00	6	6 (temp.)		
Lumberman.....do.....	1,600.00	1	1		
Timber estimator.....do.....	2,000.00	1	1 (temp.)		
Scaler.....do.....	1,600.00	1	1 (temp.)		
Scaler.....do.....	1,500.00	1	1 (temp.)		
Scalers.....do.....	1,400.00	1	2 (temp.)		
Forest examiner.....do.....	2,400.00	1	1		
Forest examiner.....do.....	2,200.00	1	1		
Forest examiners.....do.....	2,200.00	3	3		
Forest examiner.....do.....	2,100.00	1	1		
Forest examiner.....do.....	2,100.00	1	1		
Forest examiner.....do.....	1,900.00	1	1		
Forest examiner.....do.....	2,100.00	1	1		
Forest examiner.....do.....	1,800.00	1	1		
Forest examiners.....do.....	2,000.00	1	1		
Forest examiners.....do.....	1,900.00	2	2		
Forest examiners.....do.....	1,800.00	4	3		
Forest examiners.....do.....	1,700.00	3	4 (1 part time)		
Forest examiner.....do.....	1,700.00	1	1		
Forest examiners.....do.....	1,400.00	1	1		
Forest examiners.....do.....	1,600.00	3	4 (1 temp.)		
Forest examiners.....do.....	1,500.00	2	2		
Forest examiners.....do.....	1,400.00	3	8 (7 temp.)		
Forest examiners.....do.....	1,300.00	3	4		
Forest examiner.....do.....	1,200.00	1	1		
Grazing examiner.....do.....	1,800.00	1 (part time)	1 (part time)		
Grazing examiner.....do.....	1,700.00	1 (part time)	1 (part time)		
Grazing examiners.....do.....	1,600.00	3 (part time)	2 (temp.)		
Grazing examiners.....do.....	1,400.00	1	3 (2 temp.)		
Mineral examiners.....do.....	2,100.00	1	2		
Mineral examiner.....do.....	2,000.00	1	1		
Mineral examiner.....do.....	1,900.00	1	1		
Land examiner.....do.....	1,400.00	1	1		
Forest super. isor.....do.....	2,200.00	1	1 (part time)		
Forest ranger.....do.....	1,300.00	1	1 (part time)		
Forest assistants.....do.....	1,100.00	1	2 (temp.)		

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																
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<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="2">Salaries—Continued.</td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Surveyor or draftsman.....per annum.....</td><td>\$2,200.00</td><td>1</td><td>1</td></tr><tr><td>Surveyors or draftsmen.....do.....</td><td>1,800.00</td><td>1</td><td>2 (1 part time)</td></tr><tr><td>Surveyor or draftsman.....do.....</td><td>1,700.00</td><td>1</td><td>1 (part time)</td></tr><tr><td>Surveyor or draftsman.....do.....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Surveyor or draftsman.....do.....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Surveyors or draftsmen.....do.....</td><td>1,400.00</td><td>1</td><td>3 (temp.)</td></tr><tr><td>Draftsmen, \$1,200 to \$900.....do.....</td><td>1,400.00</td><td>4</td><td>7 (temp.)</td></tr><tr><td>Clerk.....do.....</td><td>1,600.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Clerks.....do.....</td><td>1,200.00</td><td>2</td><td>2 (temp.)</td></tr><tr><td>Clerks.....do.....</td><td>1,100.00</td><td>1</td><td>2 (1 temp.)</td></tr><tr><td>Clerks, \$900 and \$720.....do.....</td><td>1,100.00</td><td>18 (15 temp.)</td><td>26 (temp.)</td></tr><tr><td>Clerk †.....do.....</td><td>900.00</td><td>1</td><td>1</td></tr><tr><td>Blueprinter †.....do.....</td><td>900.00</td><td>1</td><td>1</td></tr><tr><td>Blueprinters, \$720 and \$600.....do.....</td><td>900.00</td><td>1 (temp.)</td><td>4 (temp.)</td></tr><tr><td>Telephone operators †.....do.....</td><td>600.00</td><td>2</td><td>2</td></tr><tr><td>Messenger boys †.....do.....</td><td>360.00</td><td>2</td><td>2</td></tr><tr><td>Examiner, electrical engineer, clerks, laboratory assistants, forest assistants, map colorists, messengers, watchmen, and collaborators—</td><td></td><td></td><td></td></tr><tr><td> \$1,000 to \$12.....do.....</td><td></td><td>11 (2 temp.)</td><td>36 (33 temp.)</td></tr><tr><td> \$7 and \$6.50.....per diem.....</td><td></td><td>1 (temp.)</td><td>2 (temp.)</td></tr><tr><td>Surveyors or draftsmen, draftsmen, clerks, and map colorists, \$1,500 to \$900*.....per annum.....</td><td></td><td></td><td>17</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor, \$75 per month to \$2.....per diem.....</td><td></td><td>20</td><td>114</td></tr><tr><td>Salaries.....</td><td></td><td>\$306,657.00</td><td>\$303,860.11</td></tr><tr><td>Wages.....</td><td></td><td>3,650.00</td><td>6,027.21</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>114,481.00</td><td>96,717.60</td></tr><tr><td>Equipment and material.....</td><td></td><td>12,800.00</td><td>17,194.33</td></tr><tr><td>Telephone and telegraph service.....</td><td></td><td>13,475.00</td><td>10,733.31</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>31,427.00</td><td>38,891.06</td></tr><tr><td>Total.....</td><td></td><td>482,490.00</td><td>473,431.62</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries—Continued.		<i>Number.</i>	<i>Number.</i>	Surveyor or draftsman.....per annum.....	\$2,200.00	1	1	Surveyors or draftsmen.....do.....	1,800.00	1	2 (1 part time)	Surveyor or draftsman.....do.....	1,700.00	1	1 (part time)	Surveyor or draftsman.....do.....	1,600.00	1	1	Surveyor or draftsman.....do.....	1,500.00	1	1	Surveyors or draftsmen.....do.....	1,400.00	1	3 (temp.)	Draftsmen, \$1,200 to \$900.....do.....	1,400.00	4	7 (temp.)	Clerk.....do.....	1,600.00	1	1 (temp.)	Clerks.....do.....	1,200.00	2	2 (temp.)	Clerks.....do.....	1,100.00	1	2 (1 temp.)	Clerks, \$900 and \$720.....do.....	1,100.00	18 (15 temp.)	26 (temp.)	Clerk †.....do.....	900.00	1	1	Blueprinter †.....do.....	900.00	1	1	Blueprinters, \$720 and \$600.....do.....	900.00	1 (temp.)	4 (temp.)	Telephone operators †.....do.....	600.00	2	2	Messenger boys †.....do.....	360.00	2	2	Examiner, electrical engineer, clerks, laboratory assistants, forest assistants, map colorists, messengers, watchmen, and collaborators—				\$1,000 to \$12.....do.....		11 (2 temp.)	36 (33 temp.)	\$7 and \$6.50.....per diem.....		1 (temp.)	2 (temp.)	Surveyors or draftsmen, draftsmen, clerks, and map colorists, \$1,500 to \$900*.....per annum.....			17	Wages:				Miscellaneous temporary labor, \$75 per month to \$2.....per diem.....		20	114	Salaries.....		\$306,657.00	\$303,860.11	Wages.....		3,650.00	6,027.21	Other objects of expenditure:				Traveling expenses.....		114,481.00	96,717.60	Equipment and material.....		12,800.00	17,194.33	Telephone and telegraph service.....		13,475.00	10,733.31	Miscellaneous items.....		31,427.00	38,891.06	Total.....		482,490.00	473,431.62		
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<p>* Transferred to statutory roll in Agricultural act for 1918.</p> <p>† Recommended for transfer to statutory roll in estimates for 1919, the \$900 clerk from miscellaneous forest investigations fund.</p>																																																																																																																																		
(257) For the selection, classification, and segregation of lands within the boundaries of national forests that may be opened to homestead settlement and entry under the homestead laws applicable to the national forests, and for the examination and appraisal of lands in effecting exchanges authorized by law [§78,400] (acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1)		\$70,100.00																																																																																																																																
<p>NOTE.—There is an apparent decrease in this item of \$8,300, due to transfers to the statutory roll.</p> <p>It is proposed to amend the language by the addition of the words “and for the examination and appraisal of lands in effecting exchanges authorized by law.” Congress from time to time authorizes the exchange of privately owned land for land within national forests in order to consolidate the Government holdings. At present there are no funds available for the examination and appraisal of lands to be exchanged. This examination involves work similar to that being done by land-classification field parties, and in many cases the lands could be examined by such officers in connection with their other work in the same locality, the information already secured by them making it possible to report on a given exchange project at a fraction of the expense that would be incurred if the work were undertaken by a new field party. The proposed change will permit the use of funds from this appropriation for the purpose indicated only in cases where Congress has previously authorized the exchange.</p>																																																																																																																																		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919, the \$900 clerk from miscellaneous forest investigations fund.

- (257) For the selection, classification, and segregation of lands within the boundaries of national forests that may be opened to homestead settlement and entry under the homestead laws applicable to the national forests, *and for the examination and appraisal of lands in effecting exchanges authorized by law* **[\$78,400]** (acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 263, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145–1151, sec. 1) ----- **\$70,100.00**

NOTE.—There is an apparent decrease in this item of \$8,300, due to transfers to the statutory roll.

It is proposed to amend the language by the addition of the words "and for the examination and appraisal of lands in effecting exchanges authorized by law." Congress from time to time authorizes the exchange of privately owned land for land within national forests in order to consolidate the Government holdings. At present there are no funds available for the examination and appraisal of lands to be exchanged. This examination involves work similar to that being done by land-classification field parties, and in many cases the lands could be examined by such officers in connection with their other work in the same locality, the information already secured by them making it possible to report on a given exchange project at a fraction of the expense that would be incurred if the work were undertaken by a new field party. The proposed change will permit the use of funds from this appropriation for the purpose indicated only in cases where Congress has previously authorized the exchange.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Forest examiner.....per annum..	\$2,200.00	1	1		
Forest examiner.....do.....	2,100.00	..	1		
Forest examiner.....do.....	2,000.00	..	1		
Forest examiners.....do.....	1,800.00	2(1 part time)	2		
Forest examiners.....do.....	1,700.00	3	3		
Forest examiners.....do.....	1,600.00	1	7(4 temp.)		
Forest examiners.....do.....	1,500.00	..	5(temp.)		
Forest examiners.....do.....	1,400.00	1(part time)	3(temp.)		
Forest examiners.....do.....	1,300.00	2	6(temp.)		
Forest assistant.....do.....	1,100.00	..	1(temp.)		
Field assistants.....do.....	1,080.00	2	2(temp.)		
Forest ranger †.....do.....	1,200.00	..	1		
Forest rangers.....do.....	1,200.00	..	4(3 temp.)		
Forest rangers.....do.....	1,100.00	4	8(6 temp.)		
Forest guard.....do.....	1,200.00	..	1(temp.)		
Draftsman or surveyor †.....do.....	1,600.00	..	1		
Draftsman or surveyor †.....do.....	1,500.00	..	1		
Draftsmen or surveyors †.....do.....	1,400.00	..	2		
Draftsmen or surveyors, \$1,500 and \$1,200 *.do.....	3		
Draftsman.....do.....	1,400.00	..	1(part time)		
Draftsman.....do.....	1,200.00	1	1(temp.)		
Draftsman †.....do.....	1,200.00	..	1		
Draftsman.....do.....	1,080.00	..	1(temp.)		
Scientific assistant.....do.....	1,100.00	..	1(temp.)		
Clerks, \$1,100 and \$900 *.do.....	2		
Clerks.....do.....	1,020.00	1	4(temp.)		
Map colorists and blue printers, \$960 to \$600 *.do.....	4		
Field assistants, draftsman, clerks, map colorists, and blue printers, \$960 to \$600.....do.....	..	7(2 part time 5 temp.)	15(temp.)		
Wages:					
Temporary laborers, \$1,200 per annum to \$2.50.....per diem..	..	39	122		
Salaries.....		\$31,960.00	\$50,888.94		
Wages.....		7,400.00	10,526.72		
Other objects of expenditure:					
Traveling expenses.....		18,250.00	20,628.13		
Equipment and material.....		2,100.00	3,155.84		
Miscellaneous items.....		10,390.00	3,661.88		
Total.....		70,100.00	88,861.51		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (258) For the survey and platting of certain lands, chiefly valuable for agriculture, now listed or to be listed within the national forests, under the act of June eleventh, nineteen hundred and six (Thirty-fourth Statutes, page two hundred and thirty-three), and the act of March third, eighteen hundred and ninety-nine (Thirtieth Statutes, page one thousand and ninety-five), as provided by the act of March fourth, nineteen hundred and thirteen, **["\$69,300"]** \$49,700: *Provided*, That any unexpended balance of an appropriation of **["\$85,000"]** \$69,300 to be expended "for the survey and platting of certain lands, chiefly valuable for agriculture," and so forth, provided by the act of **["August eleventh"]** *March fourth*, nineteen hundred and **["sixteen"]** *seventeen*, entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June thirtieth, nineteen hundred and **["seventeen"]** *eighteen*," be, and the same is hereby, continued and made available for and during the fiscal year ending June thirtieth, nineteen hundred and **["eighteen"]** *nineteen*, for the purpose of this appropriation (acts *Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1*)..... **\$49,700.00**

NOTE.—There is an apparent decrease in this item of \$19,600, but, taking into consideration transfers to the statutory roll amounting to \$9,600, the actual

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>					
<p>decrease is \$10,000. It is believed that some of the field work in connection with land surveys can be postponed and several field parties discontinued during the period of the war. Further reduction, however, would be inexpedient at this time since there is a large amount of the land-survey work which must be done as rapidly as possible in order that deserving entrymen may secure title to agricultural lands homesteaded by them within the national forests and which are described by metes and bounds.</p> <p>The proposed changes in language will make available for expenditure during the fiscal year 1919 any unexpended balance of the appropriation provided under this item for the fiscal year 1918. The surveys which are begun in May and June ordinarily are not completed by July 1, and, in view of the difficulties experienced in paying the expenses of such surveys from two appropriations, it is desirable to continue the availability of the small unexpended balances until the projects are completed.</p>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Forest examiner.....per annum.....	\$1,800.00	1 (part time)	1		
Forest examiner.....do.....	1,600.00	1	1 (part time)		
Forest examiner.....do.....	1,500.00	1	1 (part time)		
Mineral examiner.....do.....	1,900.00	1 (part time)	..		
Surveyors or draftsmen, \$1,800 to \$1,500 *.....do.....	12		
Surveyors or draftsmen †.....do.....	1,500.00	..	2		
Surveyors or draftsmen.....do.....	1,500.00	2	2 (temp.)		
Surveyors or draftsmen †.....do.....	1,400.00	..	2		
Surveyors or draftsmen.....do.....	1,400.00	4 (1 part time)	4 (temp.)		
Surveyors or draftsmen.....do.....	1,300.00	..	1 (temp.)		
Draftsmen †.....do.....	1,200.00	..	2		
Draftsmen *.....do.....	1,200.00	..	2		
Draftsmen.....do.....	1,200.00	3 (2 temp.)	3 (temp.)		
Forest rangers.....do.....	1,100.00	..	2 (temp.)		
Clerk †.....do.....	1,400.00	..	1		
Clerks, \$1,020 to \$900.....do.....	..	2 (temp.)	19 (temp.)		
Clerk *.....do.....	900.00	..	1		
Wages:					
Axemen, chainmen, \$1.260 to \$489.....do.....	..	17 (temp.)	54 (temp.)		
and laborers.....\$4 to \$2.....per diem.....	..	46 (temp.)	117 (temp.)		
Salaries.....		\$18,944.00	\$36,546.35		
Wages.....		10,070.00	16,397.80		
Other objects of expenditure:					
Traveling expenses.....		15,920.00	18,070.82		
Equipment and material.....		2,460.00	6,124.34		
Miscellaneous items.....		2,306.00	4,355.56		
Total.....		49,700.00	81,491.87		
<p>* Transferred to statutory roll in Agricultural act for 1918. † Recommended for transfer to statutory roll in estimates for 1919.</p>					
(259) For fighting and preventing forest fires and for other unforeseen emergencies (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1</i>).....				\$150,000.00	
Employees.	Rate.	Estimated, 1919.*	Expended, 1917.		
Salaries:		Number.	Number.		
Examiners, rangers, guards, and other forest employees, \$1,600 per annum to \$0.25...per hour.....	21		
Wages:					
Temporary laborers, \$0.40 to \$0.25.....per hour.....	8,926		
Salaries.....			\$1,047.99		
Wages.....			125,781.23		
Other objects of expenditure:					
Traveling expenses.....			8,663.88		
Equipment and material.....			6,270.13		
Miscellaneous items.....			19,532.36		
Total.....		\$150,000.00	161,295.59		
* This being an emergency appropriation, a detailed estimate of classified expenditure for fiscal year 1919 is not practicable.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Forest Service—Continued.

- (260) For the purchase and maintenance of necessary field, office, and laboratory supplies, instruments, and equipments (*acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1*) ----- \$161,100.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Property assistant.....per annum..	\$2,250.00	..	1 (part time)
Compositor.....do.....	1,600.00	..	1 (temp.)
Clerks, \$900 and \$720.....do.....	2
Messengers and messenger boys, \$480 to \$360.....do.....	6 (temp.)
Wages:			
Temporary laborers, \$4 to \$1.50.....per diem..	12
Salaries.....			\$2,838.04
Wages.....			538.20
Other objects of expenditure:			
Stationery.....		\$39,120.00	41,801.77
Traveling expenses.....		1,500.00	1,761.59
Equipment and material.....		99,020.00	85,035.36
Miscellaneous items.....		21,460.00	18,183.53
Total.....		161,100.00	150,158.49

- (261) For investigations of methods for wood distillation and for the preservative treatment of timber, for timber testing, and the testing of such woods as may require test to ascertain if they be suitable for making paper, for investigations and tests within the United States of foreign woods of commercial importance to industries in the United States, and for other investigations and experiments to promote economy in the use of forest products, and for commercial demonstrations of improved methods or processes, in cooperation with individuals and companies **["\$155,600"]** (*same acts*) ----- 173,260.00

NOTE.—There is an apparent increase in this item of \$17,660, but, taking into consideration transfers to the statutory roll aggregating \$2,340, the actual increase is \$20,000. This increase is needed to conduct special investigations on war problems, one of the most important of which is the determination of woods most suitable for aircraft construction. It will be necessary to make tests on these woods in order to form a basis for correct specifications, to develop methods by which they can be kiln-dried in minimum time without loss of strength, and to collect data as a basis for their most effective use in construction. Another problem of prime importance is the development of the best methods of seasoning woods used in Army vehicle construction.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Director.....per annum..	\$3,500.00	..	1 (part time)
Director.....do.....	3,000.00	1	1 (part time)
Assistant director.....do.....	2,900.00	1	1
Assistant director.....do.....	2,800.00	..	1 (temp.)
Pulp and paper engineer.....do.....	3,500.00	1	1
Engineers.....do.....	2,800.00	2	3 (1 part time)
Engineer.....do.....	2,700.00	1	..
Engineer.....do.....	2,600.00	1	..
Engineers.....do.....	2,500.00	1	2 (1 part time)
Engineer.....do.....	2,500.00	1	1
Engineer.....do.....	2,200.00	1	1
Engineer.....do.....	2,300.00	1	1
Engineer.....do.....	2,200.00	1	1
Engineer.....do.....	2,100.00	2	1
Engineers.....do.....	2,000.00	3	3 (1 temp.)
Engineers.....do.....	1,900.00	2	2
Engineer.....do.....	1,800.00	1	1
Engineer.....do.....	1,700.00	1	..
Assistant engineer.....do.....	2,100.00	..	1
Assistant engineer.....do.....	1,700.00	1	1

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
<i>Salaries—Continued.</i>		<i>Number.</i>	<i>Number.</i>		
Assistant engineers.....per annum.....	\$1,600.00	2	1		
Assistant engineer.....do.....	1,400.00	..	1 (temp.)		
Assistant engineer.....do.....	1,200.00	1	1		
Assistant engineers.....do.....	900.00	2	2		
Assistant engineers.....do.....	1,100.00	2	2		
Examiner.....do.....	2,500.00	1	1		
Examiner.....do.....	2,200.00	1	1		
Examiner.....do.....	2,100.00	1	1		
Examiner.....do.....	2,100.00	1	1		
Examiners.....do.....	1,600.00	2	1		
Examiners.....do.....	1,500.00	2	2		
Examiners.....do.....	1,400.00	1	1		
Statistician.....do.....	2,500.00	1	1		
Statistician.....do.....	1,800.00	1	1		
Statistician.....do.....	1,600.00	1	1		
Statistician.....do.....	1,500.00	1	1		
Chemist.....do.....	2,400.00	1	1		
Chemist.....do.....	2,300.00	1	1		
Chemist.....do.....	2,200.00	1	1		
Chemists.....do.....	2,000.00	3	2		
Chemist.....do.....	1,800.00	1	1		
Assistant chemist.....do.....	1,700.00	1	1		
Assistant chemist.....do.....	1,400.00	1	1		
Assistant chemists.....do.....	1,200.00	6(1part time)	3(1 part time)		
Scientific assistant.....do.....	1,700.00	..	1		
Architectural assistant.....do.....	1,500.00	1	1		
Microscopist.....do.....	1,900.00	1	1		
Xylogonomist.....do.....	1,700.00	1	1		
Assistant xylogonomist.....do.....	1,000.00	1	1		
Physicist.....do.....	1,600.00	1	1		
Lumbering assistant.....do.....	2,500.00	1	..		
Lumber grader.....do.....	1,800.00	..	1 (temp.)		
Lumber graders.....do.....	1,500.00	2 (temp.)	1 (temp.)		
Dry kiln experts.....do.....	2,000.00	2	..		
Laboratory aid and engineer*.....do.....	900.00	..	3		
Paper maker.....do.....	1,000.00	1	1		
Clerk †.....do.....	1,020.00	..	1		
Clerks*.....do.....	900.00	..	2		
Clerk †.....do.....	600.00	..	1		
Messenger or laborer †.....do.....	720.00	..	1		
Clerks, draftsmen, laboratory aids, assistants, collaborators, helpers, messenger boys, \$960 to \$100.....do.....		23 (temp.)	27 (temp.)		
<i>Wages:</i>					
Carpenter*.....do.....	1,200.00	..	1		
Carpenters and pipe fitter, \$1,000 and \$900.....do.....		1	3 (2 temp.)		
Temporary laborers, \$150 per month to \$0.30.....per hour.....		40	35		
Salaries.....		\$116,290.00	\$109,820.95		
Wages.....		10,820.00	4,971.51		
<i>Other objects of expenditure:</i>					
Traveling expenses.....		17,750.00	15,119.20		
Equipment and material.....		18,130.00	21,537.51		
Miscellaneous items.....		10,270.00	4,275.39		
Total.....		173,260.00	149,724.56		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (262) For experiments and investigations of range conditions within national forests or elsewhere on the public range, and of methods for improving the range by reseeding, regulation of grazing, and other means (*acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1*).....

\$35,000.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
<i>Salaries:</i>		<i>Number.</i>	<i>Number.</i>
Inspector of grazing.....per annum.....	\$2,800.00	1	1
Forest examiner.....do.....	2,400.00	..	1 (temp.)
Forest examiner.....do.....	1,500.00	..	1
Forest examiner.....do.....	1,400.00	1	..
Examiners of grazing.....do.....	1,800.00	2(1part time)	2(1 part time)

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Examiner of grazing..... per annum..	\$1,700.00	1	1 (part time)		
Examiners of grazing..... do.....	1,600.00	1 (part time)	4 (1 part time)		
Examiner of grazing..... do.....	1,500.00	1	1		
Examiners of grazing..... do.....	1,400.00	2 (1 part time)	3 (1 part time)		
Plant ecologist..... do..... {	2,500.00	1	1		
Plant ecologist..... do..... {	2,200.00	1	1		
Plant ecologist..... do.....	1,700.00	1	1		
Grazing assistant..... do.....	1,500.00	1	1		
Grazing assistant..... do.....	1,400.00	1	1		
Grazing assistants..... do.....	1,200.00	2 (1 tempo.)	4 (3 tempo.)		
Assistant botanist..... do.....	1,800.00	1 (part time)	1 (part time)		
Mounter of plant specimens..... do..... {	600.00	1	1		
Field assistants..... do.....	450.00	1	1		
Field assistants..... do.....	1,100.00	4 (temp.)	2 (temp.)		
Field assistant..... do.....	1,080.00	1 (temp.)	1 (temp.)		
Field assistant..... do.....	900.00	1 (temp.)	1 (temp.)		
Wages:					
Temporary laborers, \$3.50 to \$1..... per diem.....		4	5		
Salaries.....		\$23,190.00	\$20,559.76		
Wages.....		1,200.00	1,808.26		
Other objects of expenditure:					
Travelling expenses.....		8,560.00	4,720.54		
Equipment and material.....		1,000.00	1,983.29		
Miscellaneous expenses.....		1,050.00	1,044.49		
Total.....		35,000.00	30,116.34		

- (263) For the purchase of tree seed, cones, and nursery stock, for seeding and tree planting within national forests, and for experiments and investigations necessary for such seeding and tree planting **[\$165,640]** (*acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1*).....\$145,640.00

NOTE.—There is a decrease in this item of \$20,000. It is believed that a temporary reduction of the amount indicated can be made in this item without seriously interfering with the essential protective and revenue-producing activities of the national forests. Further decrease of the appropriation at this time, however, would involve the loss of a corresponding portion of an investment of more than \$300,000 represented by stock already growing in nurseries on the national forests.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Forest examiner..... per annum..	\$2,400.00	1 (part time)	1 (part time)
Forest examiner..... do.....	2,300.00	1	1
Forest examiner..... do.....	2,200.00	1	1
Forest examiner..... do.....	1,900.00	1	1
Forest examiners..... do.....	1,800.00	2	3 (temp.)
Forest examiners..... do.....	1,700.00	2	2
Forest examiners..... do.....	1,600.00	1	2 (temp.)
Forest examiners..... do.....	1,500.00	1	3 (temp.)
Forest examiners..... do.....	1,400.00	3	4 (2 part time)
Forest examiners..... do.....	1,300.00	3	7 (temp.)
Forest planting assistants..... do.....	1,500.00	2	2
Forest planting assistant..... do.....	1,300.00	1	1
Forest planting assistant..... do.....	1,200.00	1	1
Forest assistant..... do.....	1,200.00	1	1 (temp.)
Forest assistants..... do.....	1,100.00	4	5 (temp.)
Field assistants, \$1,100 to \$900..... do.....		1 (temp.)	4 (temp.)
Forest rangers..... do.....	1,200.00	1	2 (temp.)
Forest rangers..... do.....	1,100.00	2	4 (temp.)
Forest ranger..... do.....	1,000.00	1	1 (temp.)
Clerks, \$1,200 to \$720..... do.....		1 (temp.)	5 (temp.)
Plant ecologist..... do.....	2,200.00	1	1 (part time)
Forest guards..... do.....	1,100.00	2	3
Wages:			
Unskilled laborers, \$1,100 to \$540..... do.....		2 (1 part time)	1
Temporary laborers, \$25 per month to \$0.19..... per hour.....		1,312	1,493
Salaries.....		\$35,620.00	\$35,568.84
Wages.....		72,121.00	80,873.44
Other objects of expenditure:			
Travelling expenses.....		7,670.00	9,603.29
Equipment and material.....		16,817.00	28,128.99
Miscellaneous items.....		13,412.00	10,029.76
Total.....		145,640.00	164,204.32

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																																
General Expenses, Forest Service—Continued.																																																																																																																																																		
(264) For silvicultural, dendrological, and other experiments and investigations independently or in cooperation with other branches of the Federal Government, with States and with individuals, to determine the best methods for the conservative management of forests and forest lands (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1</i>)-----	\$78,728.00																																																																																																																																																	
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="2"></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Assistant forester.....per annum.....</td><td>\$3,000 00</td><td>1</td><td>1</td></tr><tr><td>Chief, forest investigations.....do.....</td><td>3,200 00</td><td>1</td><td>1</td></tr><tr><td>Assistant chief, forest investigations.....do.....</td><td>2,800 00</td><td>1</td><td>1</td></tr><tr><td>Chief, State cooperation.....do.....</td><td>2,800 00</td><td>1 (parttime)</td><td>1 (parttime)</td></tr><tr><td>Chief, State cooperation.....do.....</td><td>2,600 00</td><td>1</td><td>1</td></tr><tr><td>Forest inspector.....do.....</td><td>3,000 00</td><td>1</td><td>1</td></tr><tr><td>Forest examiners.....do.....</td><td>2,400 00</td><td>3 (2 part time)</td><td>2 (1 part time)</td></tr><tr><td>Forest examiners.....do.....</td><td>2,200 00</td><td>3 (1 part time)</td><td>3 (1 part time)</td></tr><tr><td>Forest examiner.....do.....</td><td>2,100 00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Forest examiner.....do.....</td><td>2,000 00</td><td>1</td><td>1</td></tr><tr><td>Forest examiners.....do.....</td><td>1,900 00</td><td>2</td><td>2</td></tr><tr><td>Forest examiners.....do.....</td><td>1,800 00</td><td>3</td><td>3</td></tr><tr><td>Forest examiner.....do.....</td><td>1,700 00</td><td>1</td><td>1</td></tr><tr><td>Forest examiner.....do.....</td><td>1,600 00</td><td>1</td><td>1</td></tr><tr><td>Forest examiner.....do.....</td><td>1,600 00</td><td>1</td><td>1</td></tr><tr><td>Forest examiners.....do.....</td><td>1,500 00</td><td>2 (1 part time)</td><td>2 (parttime)</td></tr><tr><td>Forest examiners.....do.....</td><td>1,400 00</td><td>2 (1 part time)</td><td>2 (parttime)</td></tr><tr><td>Forest examiner.....do.....</td><td>1,300 00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do.....</td><td>1,600 00</td><td>1</td><td>1</td></tr><tr><td>Forest assistants.....do.....</td><td>1,100 00</td><td>2</td><td>3 (2 part time)</td></tr><tr><td>Forest rangers.....do.....</td><td>1,100 00</td><td>4</td><td>4 (3 temp.)</td></tr><tr><td>Field assistants, \$1,050 to \$720.....do.....</td><td>.....</td><td>6 (temp.)</td><td>5 (temp.)</td></tr><tr><td>Clerks, \$1,400 to \$900.....do.....</td><td>.....</td><td>3</td><td>3 (temp.)</td></tr><tr><td>Draftsman.....do.....</td><td>1,000 00</td><td>1</td><td>1 (temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Temporary laborers, \$115 per month to \$2.....per diem.....</td><td>.....</td><td>35</td><td>37</td></tr><tr><td>Salaries.....</td><td></td><td>\$50,695.00</td><td>\$18,248.17</td></tr><tr><td>Wages.....</td><td></td><td>5,400.00</td><td>5,290.80</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>15,565.00</td><td>12,108.24</td></tr><tr><td>Equipment and material.....</td><td></td><td>2,035.00</td><td>6,036.11</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>5,033.00</td><td>2,290.91</td></tr><tr><td>Total.....</td><td></td><td>78,728.00</td><td>73,972.23</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.			<i>Number.</i>	<i>Number.</i>	Salaries:				Assistant forester.....per annum.....	\$3,000 00	1	1	Chief, forest investigations.....do.....	3,200 00	1	1	Assistant chief, forest investigations.....do.....	2,800 00	1	1	Chief, State cooperation.....do.....	2,800 00	1 (parttime)	1 (parttime)	Chief, State cooperation.....do.....	2,600 00	1	1	Forest inspector.....do.....	3,000 00	1	1	Forest examiners.....do.....	2,400 00	3 (2 part time)	2 (1 part time)	Forest examiners.....do.....	2,200 00	3 (1 part time)	3 (1 part time)	Forest examiner.....do.....	2,100 00	1	1 (temp.)	Forest examiner.....do.....	2,000 00	1	1	Forest examiners.....do.....	1,900 00	2	2	Forest examiners.....do.....	1,800 00	3	3	Forest examiner.....do.....	1,700 00	1	1	Forest examiner.....do.....	1,600 00	1	1	Forest examiner.....do.....	1,600 00	1	1	Forest examiners.....do.....	1,500 00	2 (1 part time)	2 (parttime)	Forest examiners.....do.....	1,400 00	2 (1 part time)	2 (parttime)	Forest examiner.....do.....	1,300 00	1	1	Scientific assistant.....do.....	1,600 00	1	1	Forest assistants.....do.....	1,100 00	2	3 (2 part time)	Forest rangers.....do.....	1,100 00	4	4 (3 temp.)	Field assistants, \$1,050 to \$720.....do.....	6 (temp.)	5 (temp.)	Clerks, \$1,400 to \$900.....do.....	3	3 (temp.)	Draftsman.....do.....	1,000 00	1	1 (temp.)	Wages:				Temporary laborers, \$115 per month to \$2.....per diem.....	35	37	Salaries.....		\$50,695.00	\$18,248.17	Wages.....		5,400.00	5,290.80	Other objects of expenditure:				Traveling expenses.....		15,565.00	12,108.24	Equipment and material.....		2,035.00	6,036.11	Miscellaneous items.....		5,033.00	2,290.91	Total.....		78,728.00	73,972.23		
Employees.	Rate.	Estimated, 1919.	Expended, 1917.																																																																																																																																															
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Chief, forest investigations.....do.....	3,200 00	1	1																																																																																																																																															
Assistant chief, forest investigations.....do.....	2,800 00	1	1																																																																																																																																															
Chief, State cooperation.....do.....	2,800 00	1 (parttime)	1 (parttime)																																																																																																																																															
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Forest inspector.....do.....	3,000 00	1	1																																																																																																																																															
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Scientific assistant.....do.....	1,600 00	1	1																																																																																																																																															
Forest assistants.....do.....	1,100 00	2	3 (2 part time)																																																																																																																																															
Forest rangers.....do.....	1,100 00	4	4 (3 temp.)																																																																																																																																															
Field assistants, \$1,050 to \$720.....do.....	6 (temp.)	5 (temp.)																																																																																																																																															
Clerks, \$1,400 to \$900.....do.....	3	3 (temp.)																																																																																																																																															
Draftsman.....do.....	1,000 00	1	1 (temp.)																																																																																																																																															
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Total.....		78,728.00	73,972.23																																																																																																																																															
(265) For estimating and appraising timber and other resources on the national forests preliminary to disposal by sale or to the issue of occupancy permits, and for emergency expenses incident to their sale or use [\$70,000] (<i>same acts</i>)-----	100,000.00																																																																																																																																																	
<p>NOTE.—There is an increase in this item of \$30,000. Additional funds are urgently needed on account of the steadily increasing timber-sale business and the growing demands for grazing privileges on the national-forest ranges. It is proposed to use this increase as follows:</p> <p>\$20,000 to take care of the timber-survey and appraisal work which is essential to the effective handling of timber sales on the national forests. Unless this amount is provided the work of cruising national forest areas preparatory to timber sales will have to be curtailed, with a resulting reduction in the amount of timber sold and in the receipts from this source. The present available funds are insufficient properly to meet the increasing demand for national-forest timber, especially in view of the fact that the expense incident to the maintenance of timber-estimating crews in the field is greater now than ever before.</p> <p>\$10,000 to provide for additional range reconnaissance. The demand for grazing privileges exceeds the available range on a majority of the national forests. Owing to the rapid settlement of the ranges on the public domain the importance of the national-forest ranges is steadily increasing. To aid emergency meat production many of the national-forest ranges were stocked beyond their normal carrying capacity in 1917. It is important that this emergency grazing continue to the maximum without unwarranted injury to the ranges. This can be assured by extending the grazing surveys to secure necessary data for further development of ranges not fully used in the past and, by more critical examination, to allow readjustments on the more heavily stocked ranges. The expenditure of increased funds for this purpose will result in a corresponding increase in the receipts from grazing fees from the additional stock which undoubtedly can be grazed on many of the national-forest ranges.</p>																																																																																																																																																		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Forest Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Forest examiner.....per annum..	\$1,700.00	1	..		
Forest examiners.....do.....	1,600.00	2 (temp.)	3 (temp.)		
Forest examiners.....do.....	1,500.00	2 (temp.)	3 (temp.)		
Forest examiners.....do.....	1,400.00	3 (1 temp.)	2 (temp.)		
Forest examiners.....do.....	1,300.00	3	8 (temp.)		
Grazing examiners.....do.....	1,700.00	..	1 (temp.)		
Grazing examiners.....do.....	1,400.00	3	..		
Grazing assistant.....do.....	1,200.00	1	1		
Timber cruiser.....do.....	1,500.00	1 (part time)	1 (part time)		
Sealers.....do.....	1,400.00	..	2 (temp.)		
Sealers, \$1,100 and \$900.....do.....	..	1 (temp.)	2 (temp.)		
Surveyors or draftsmen.....do.....	1,400.00	1 (temp.)	1 (temp.)		
Surveyors or draftsmen.....do.....	1,300.00	1 (temp.)	2 (temp.)		
Forest assistants, \$1,100 and \$900.....do.....	..	11 (10 temp.)	12 (11 temp.)		
Field assistants.....do.....	1,200.00	2 (temp.)	..		
Field assistants.....do.....	1,100.00	11 (temp.)	2 (temp.)		
Field assistant.....do.....	1,080.00	..	1 (temp.)		
Field assistant.....do.....	1,000.00	..	1 (temp.)		
Field assistants, \$900 to \$600.....do.....	..	3 (temp.)	21 (temp.)		
Forest ranger.....do.....	1,300.00	..	1 (temp.)		
Forest rangers.....do.....	1,100.00	6 (temp.)	7 (temp.)		
Forest guards.....do.....	1,100.00	1 (temp.)	3 (temp.)		
Forest guards, \$900 to \$720.....do.....	..	1 (temp.)	5 (temp.)		
Topographers.....do.....	1,200.00	4 (temp.)	..		
Clerk, estimator, transmitters, compassmen, rodmen, field assistants, \$1,080 to \$600.....do.....	..	29 (temp.)	34 (temp.)		
Wages:					
Temporary laborers, \$1,200 per annum to \$1.75.....per diem..	..	108	96		
Salaries.....	..	\$35,553.00	\$22,488.69		
Wages.....	..	27,444.00	20,301.11		
Other objects of expenditure:					
Traveling expenses.....	..	21,704.00	7,718.54		
Equipment and material.....	..	3,399.00	3,604.79		
Miscellaneous items.....	..	11,900.00	4,093.69		
Total.....	..	100,000.00	58,206.82		

- (266) For other miscellaneous forest investigations, and for collating, digesting, recording, illustrating, and distributing the results of the experiments and investigations herein provided for [\$33,140] (*acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1*)..... \$31,280.00

NOTE.—There is an apparent decrease in this item of \$1,860, due to the transfer of one clerk at \$900 and one messenger or laborer at \$960 to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Editor.....per annum..	\$3,200.00	1	1
Assistant editors.....do.....	2,000.00	2	1
Chief of publication.....do.....	2,600.00	1	1
Chief of geography.....do.....	2,200.00	1	1
Assistant in forest education.....do.....	2,200.00	1	1
Civil engineer.....do.....	2,000.00	1	1
Assistant engineer.....do.....	2,400.00	..	1 (part time)
Examiner.....per month..	200.00	..	1 (temp.)
Examiner.....per annum..	1,800.00	1	1
Examiner.....do.....	1,400.00	..	1 (part time)
Examiner.....do.....	1,400.00	..	1
Statistician.....do.....	1,600.00	1	1
Lithographic map engraver.....do.....	1,600.00	1	1
Proofreader.....do.....	1,400.00	..	1 (temp.)
Artist.....do.....	1,200.00	..	1 (temp.)
Draftsman.....do.....	1,500.00	..	1 (temp.)
Draftsman.....do.....	1,000.00	..	1 (temp.)
Negative cutter.....do.....	1,200.00	..	1 (temp.)
Blueprinter and watchmen.....do.....	720.00	..	4 (temp.)
Assistant forest ranger.....do.....	1,100.00	..	1
Messenger or laborer.....do.....	960.00	..	1

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
General Expenses, Forest Service—Continued.					
Employees.		Rate.	Estimated, 1919.	Expended, 1917.	
Wages:			Number.	Number.	
Temporary laborers \$720 and \$660 .per annum..			..	3	
\$0.50 to \$0.25.....per hour..			..	2	
Salaries.....			\$21,400.00	\$22,011.19	
Wages.....				716.60	
Other objects of expenditure:					
Traveling expenses.....			1,400.00	1,025.57	
Equipment and material.....			5,000.00	8,561.41	
Miscellaneous items.....			3,482.00	304.44	
Total.....			31,280.00	32,619.21	
(267) For the construction and maintenance of roads, trails, bridges, fire lanes, telephone lines, cabins, fences, and other improvements necessary for the proper and economical administration, protection, and development of the national forests, \$450,000: <i>Provided</i> , That not to exceed \$50,000 may be expended for the construction and maintenance of boundary and range division fences, counting corrals, stock driveways and bridges, the development of stock watering places, and the eradication of poisonous plants on the national forests: <i>And provided further</i> , That no part of the money herein appropriated shall be used to pay the transportation or traveling expenses of any forest officer or agent except he be traveling on business directly connected with the Forest Service and in furtherance of the works, aims, and objects specified and authorized in and by this appropriation: <i>And provided also</i> , That no part of this appropriation shall be paid or used for the purpose of paying for, in whole or in part, the preparation or publication of any newspaper or magazine article, but this shall not prevent the giving out to all persons without discrimination, including newspaper and magazine writers and publishers, of any facts or official information of value to the public (<i>acts Mar. 3, 1899, vol. 30, p. 1099, sec. 1; June 3, 1902, vol. 32, p. 295, sec. 1; Feb. 1, 1905, vol. 33, p. 268, sec. 1; June 11, 1906, vol. 34, p. 233, sec. 1; Mar. 1, 1911, vol. 36, p. 963, sec. 1; Mar. 4, 1913, vol. 37, p. 842, sec. 1; Mar. 4, 1915, vol. 38, p. 1099, sec. 1; Mar. 4, 1917, vol. 39, pp. 1145-1151, sec. 1</i>).....					
				\$450,000.00	
Employees.		Rate.	Estimated, 1919.	Expended, 1917.	
Salaries:			Number.	Number.	
Forest examiner.....per annum..		\$2,200.00	1	1	
Forest examiner.....do.....		2,000.00	1	1	
Forest examiners.....do.....		1,400.00	4	3	
Surveyor draftsman.....do.....		1,500.00	..	1	
Draftsman.....do.....		1,400.00	1	1	
Draftsmen, \$1,200 and \$900.....do.....		2 (temp.)	
Telephone engineer.....do.....		2,000.00	1	1	
Telephone engineers.....do.....		1,800.00	3	3	
Telephone engineer.....do.....		1,400.00	1	1	
Junior engineer.....do.....		1,400.00	..	1 (temp.)	
Forest ranger.....do.....		1,200.00	..	1 (temp.)	
Forest rangers.....do.....		1,100.00	..	7 (temp.)	
Forest rangers.....do.....		1,100.00	..	2	
Forest guards, \$1,100 to \$900.....do.....		..	12 (temp.)	38 (temp.)	
Wages:					
Electricians and mechanics, \$90 to \$60 per month.			30 (temp.)	24 (temp.)	
Temporary laborers, \$1,100 per annum					
to \$1.50.....per diem.....			3,946	3,152	
Salaries.....			\$23,200.00	\$21,201.99	
Wages.....			131,274.00	168,941.98	
Other objects of expenditure:					
Traveling expenses.....			18,380.00	17,465.29	
Equipment and material.....			160,367.00	144,867.81	
Miscellaneous items.....			5,779.00	42,670.49	
Total.....			450,000.00	398,187.56	

*Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																
<p><i>General Expenses, Forest Service—Continued.</i></p> <p>CONSTRUCTION WORK CONTEMPLATED.</p> <p>Based on the records and present market conditions of labor and material so far as practicable, the average unit costs of construction work on the national forests for 1919 are estimated as follows:</p> <table><tr><td>Roads, per mile.....</td><td>\$812.00</td></tr><tr><td>Trails, per mile.....</td><td>72.00</td></tr><tr><td>Telephone lines, per mile.....</td><td>67.00</td></tr><tr><td>Fire breaks, per mile.....</td><td>118.00</td></tr><tr><td>Fences, per mile.....</td><td>176.00</td></tr><tr><td>Lookout structures, each.....</td><td>236.00</td></tr><tr><td>Dwellings, each.....</td><td>650.00</td></tr><tr><td>Barns, each.....</td><td>231.00</td></tr><tr><td>Other buildings, each.....</td><td>76.00</td></tr><tr><td>Corrals, each.....</td><td>67.00</td></tr><tr><td>Bridges, each.....</td><td>668.00</td></tr><tr><td>Water improvements, each.....</td><td>116.00</td></tr></table>	Roads, per mile.....	\$812.00	Trails, per mile.....	72.00	Telephone lines, per mile.....	67.00	Fire breaks, per mile.....	118.00	Fences, per mile.....	176.00	Lookout structures, each.....	236.00	Dwellings, each.....	650.00	Barns, each.....	231.00	Other buildings, each.....	76.00	Corrals, each.....	67.00	Bridges, each.....	668.00	Water improvements, each.....	116.00	<p>CONSTRUCTION WORK DONE.</p> <p>This appropriation was expended for construction and maintenance work on national forests, approximately as follows:</p> <table><tr><td>Roads, 130 miles*.....</td><td>\$82,556.00</td></tr><tr><td>Trails, 1,153 miles*.....</td><td>65,721.00</td></tr><tr><td>Telephone lines, 1,414 miles.....</td><td>77,770.00</td></tr><tr><td>Fire breaks, 26 miles.....</td><td>2,080.00</td></tr><tr><td>Fences, 148 miles.....</td><td>24,864.00</td></tr><tr><td>Lookout structures, 39.....</td><td>7,520.00</td></tr><tr><td>Dwellings, 48.....</td><td>26,936.00</td></tr><tr><td>Barns and other buildings, 248.....</td><td>40,920.00</td></tr><tr><td>Corrals, 8.....</td><td>510.40</td></tr><tr><td>Bridges, 40.....</td><td>25,080.00</td></tr><tr><td>Water improvements, 180.....</td><td>21,280.00</td></tr><tr><td>Other miscellaneous improvements.....</td><td>22,550.16</td></tr></table>	Roads, 130 miles*.....	\$82,556.00	Trails, 1,153 miles*.....	65,721.00	Telephone lines, 1,414 miles.....	77,770.00	Fire breaks, 26 miles.....	2,080.00	Fences, 148 miles.....	24,864.00	Lookout structures, 39.....	7,520.00	Dwellings, 48.....	26,936.00	Barns and other buildings, 248.....	40,920.00	Corrals, 8.....	510.40	Bridges, 40.....	25,080.00	Water improvements, 180.....	21,280.00	Other miscellaneous improvements.....	22,550.16	
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* Part of cost of construction paid from cooperative and other funds.

In all, for general expenses

\$3,247,935.00 \$3,264,475.00

Appropriations for 1909..... ¹	\$3,751,500	Estimates for 1910..... ²	5,931,300
Appropriations for 1910..... ¹	4,586,000	Estimates for 1911..... ²	4,983,500
Sundry civil act.....	30,000		
Appropriations for 1911..... ¹	4,947,500	Estimates for 1912.....	3,189,420
Deficiency act.....	600,000		
Appropriations for 1912..... ¹	3,214,420	Estimates for 1913.....	3,208,005
Appropriations for 1913.....	3,107,285	Estimates for 1914.....	3,198,939
Appropriations for 1914.....	3,160,119	Estimates for 1915.....	3,238,066
Appropriations for 1915.....	3,243,096	Estimates for 1916.....	3,212,676
Deficiency act.....	349,243		
Appropriations for 1916.....	3,217,676	Estimates for 1917.....	3,188,616
Deficiency act.....	57,300		
Appropriations for 1917.....	3,188,415	Estimates for 1918.....	3,340,775
Appropriations for 1918.....	3,374,475	Estimates for 1919.....	3,247,935

¹ Includes amount appropriated separately for "Improvement of the National Forests."

² Includes amount estimated separately for "Improvement of the National Forests."

(268) *And hereafter, in lieu of actual transportation expenses, the Secretary of Agriculture may authorize the payment of not to exceed 2 cents per mile for a motorcycle or 6 cents per mile for an automobile used for necessary travel on official business in the Forest Service.*

NOTE.—On July 1, 1913, a department regulation was issued which permitted forest officers to use personally owned motorcycles or automobiles in the performance of their official duties, when so authorized by the district foresters, with an allowance for operating expenses of not to exceed 2 cents per mile for motorcycles or from 5 to 8 cents per mile for automobiles for the distances traveled. By subsequent amendment, it was provided that the mileage allowance must not exceed the actual cost of operation of motorcycles or automobiles.

This regulation allowed the Forest Service to secure without investment the use of these vehicles for official transportation purposes at such times as their employment in this manner was clearly in the interests of efficiency and economy. The arrangement was highly advantageous in the administration and protection of the national forests, particularly in connection with fire-suppression work. Subsequently, reimbursement vouchers for expenditures for operating expenses on a mileage basis as provided by the regulation were questioned by the Comptroller of the Treasury in a decision addressed to the auditor (A. D. 1091, dated April 9, 1917), for the reason that the mileage allowance did not represent exactly the cost of gasoline, lubricating oil, etc., used on each official trip and that the appropriation act contained no authority for commuting, on a fixed mileage basis, the expenses for transportation. After consultation with the Comptroller of the Treasury the regulation was further modified on April 30, 1917, to provide for authorization to the district foresters to enter into agreements to rent for specified periods for any official work that might be required in the Forest Service motor-propelled vehicles, including those which might be owned by forest officers or employees, the agreements to provide for a rental for the distance such vehicle might be used on official business at a rate fixed in the agreement not exceeding 2 cents a mile for motorcycles or 6 cents a mile for automobiles, such agreements to be made in advance and to cover whatever official use might be required of the vehicles during the fiscal year, subject to cancellation at any time at the option of the Government. The Comptroller approved this arrangement with the understanding that in submitting the estimates for the fiscal year 1919 Congress would be asked to provide specific authority for making a fixed allowance in lieu of actual expenses in the manner provided in the regulation.

In fixing the mileage rates in the agreements no allowance is made to the owners for replacement, interest, license, depreciation, or taxes; these rates on

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p><i>General Expenses, Forest Service—Continued.</i></p> <p>a mileage basis provide no additional compensation to the forest officers who furnish the vehicles, and there is no personal profit derived from their use. The regulation provides that in every case where a privately owned motor vehicle is used for official transportation its use must be specifically authorized and the mileage rate fixed in advance, and therefore no opportunity is afforded for abuse of the authority granted. Authority to use motorcycles or automobiles on official business is granted only when the cost on a mileage basis for which the forest officers are to be reimbursed under the terms of the agreements is fully justified by the results to be obtained.</p> <p>(269) To enable the Secretary of Agriculture more effectively to carry out the provisions of the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes, page nine hundred and sixty-one), entitled "An Act to enable any State to co-operate with any other State or States, or with the United States, for the protection of watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers," ["\$25,000"] \$21,770 of the moneys appropriated therein, or for carrying out its purposes, shall be available for the employment of agents, title attorneys, clerks, assistants, and other labor and for the purchase of supplies and equipment required for the purpose of said Act in the city of Washington.</p> <p>NOTE.—There is a decrease of \$3,230 in the amount made available for administrative expenses in Washington, due to the transfer of one law clerk at \$2,750 and one messenger boy at \$480 to the statutory roll of the Secretary's office.</p> <p><i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i></p> <p align="center">GENERAL EXPENSES—FOREST SERVICE.</p> <p align="center">1 clerk, \$1,600 per annum. 3 clerks, at \$1,400 per annum each. 2 clerks, at \$1,200 per annum each. 1 clerk, \$1,020 per annum. 5 clerks, at \$900 per annum each. 1 clerk, \$720 per annum. 1 clerk, \$700 per annum.</p> <p align="center">COOPERATIVE WORK—FOREST SERVICE.</p> <p align="center">1 clerk, \$900 per annum. 1 clerk, \$720 per annum.</p> <p>Total for Forest Service</p>	<p align="right">\$5,731,555.00</p>	<p align="right">\$5,712,275.00</p>
<p>(270) ["The Secretary of Agriculture is authorized, under general regulations to be prescribed by him, to permit the prospecting, development, and utilization of the mineral resources of the lands acquired under the Act of March first, nineteen hundred and eleven (Thirty-sixth Statutes, page nine hundred and sixty-one), known as the Weeks law, upon such terms and for specified periods or otherwise, as he may deem to be for the best interests of the United States; and all moneys received on account of charges, if any, made under this Act shall be disposed of as is provided by existing law for the disposition of receipts from national forests."]</p> <p>NOTE.—In the estimates last year, the insertion of the word "hereafter" at the beginning of this paragraph was suggested, in order that there might be no doubt as to the permanent nature of this legislation. Although the change was not made, the Solicitor is of the opinion that Congress intended this provision to be continuing legislation and that there is no necessity for retaining it in the act.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF CHEMISTRY.		
<i>Salaries, Bureau of Chemistry—</i>		
(1) One chemist, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1; Mar. 4, 1917, vol. 39, p. 1151, sec. 1</i>)-----	\$5,000. 00	
(2) One chief clerk (<i>same acts</i>)-----	2,500. 00	
(3) One executive clerk, \$2,000, combined with grade immediately below at same salary.		
NOTE.—This place has been combined with those immediately following as all of them are of the same grade and salary.		
(4) Three executive clerks, at \$2,000 each (includes the grade immediately above) (<i>same acts</i>)-----	6,000. 00	
NOTE.—See note under item 3.		
(5) Ten clerks, class 4 (increase of 2 in lieu of clerks dropped, as below) (<i>same acts</i>)-----	18,000. 00	
NOTE.—See note under item 10.		
(6) Thirteen clerks, class 3 (increase of 2 in lieu of clerks dropped, as below) (<i>same acts</i>)-----	20,800. 00	
NOTE.—See note under item 10.		
(7) Two clerks, at \$1,440 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>)-----	2,880. 00	
(8) Nineteen clerks, class 2 (increase of 5, 3 by transfer from lump fund for food and drugs, and two new places in lieu of clerks dropped, as below) (<i>same acts</i>)-----	26,600. 00	
NOTE.—See note under item 10.		
(9) One clerk (<i>same acts</i>)-----	1,300. 00	
(10) Sixty-six clerks, class 1 (increase of 24, 18 by transfer from lump fund for food and drugs, and six new places in lieu of clerks dropped, as below) (<i>same acts</i>)-----	79,200. 00	
NOTE.—The new places recommended under this item and those under items 5, 6, and 8 involve the substitution of 12 higher-salaried clerical places for 22 places at \$900 each, one at \$840, and one at \$720, with a net decrease of \$4,560. It has been found impossible to secure and retain at these low salaries the services of clerks having the necessary qualifications and ability. The highly technical character of the clerical work in connection with the enforcement of the food and drugs act and other investigational work being conducted by the bureau requires a high-grade clerical personnel. Much of the work that is now performed by technical experts and administrative officers can be handled more economically by high-grade clerks. It is proposed to fill all these new places by original appointments.		
(11) One clerk (<i>same acts</i>)-----	1,100. 00	
(12) Thirteen clerks, at \$1,020 each (<i>same acts</i>)-----	13,260. 00	
(13) Fifteen clerks, at \$1,000 each (increase of 2 by transfer from lump fund for food and drugs) (<i>same acts</i>)-----	15,000. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Chemistry—Continued.</i>		
(14) One clerk (<i>R. S.</i> , p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1; Mar. 4, 1917, vol. 39, p. 1151, sec. 1) -----	\$960. 00	
(15) Twelve clerks, at \$900 each (22 dropped) (<i>same acts</i>) -----	10, 800. 00	
NOTE.—See note under item 10.		
(16) 【One clerk, \$840, dropped.】		
NOTE.—See note under item 10.		
(17) 【One clerk, \$720, dropped.】		
NOTE.—See note under item 10.		
(18) Two food and drug inspectors, at \$2,500 each (<i>same acts</i>) -----	5, 000. 00	
(19) Two food and drug inspectors, at \$2,250 each (<i>same acts</i>) -----	4, 500. 00	
(20) One food and drug inspector (<i>same acts</i>) -----	2, 120. 00	
(21) Thirteen food and drug inspectors, at \$2,000 each (increase of 2 in lieu of 3 food and drug inspectors, at \$1,400 each, dropped, as below) (<i>same acts</i>) -----	26, 000. 00	
NOTE.—The employment of two additional inspectors at \$2,000 each will materially increase the efficiency of the inspection work in connection with the enforcement of the food and drugs act. Rapidly changing conditions have made it more and more difficult to detect new forms of adulteration and substitution. Mature men of experience and ability are needed for this work, and such men can only be obtained by the payment of adequate salaries. The substitution of two places at \$2,000, in lieu of three places at \$1,400, will effect a net decrease in the roll of \$200 and at the same time will enable the bureau to secure high-grade assistants. The places at \$1,400, which it is proposed to drop, are at present vacant, due to the inability of the bureau to secure at this salary the type of men necessary for the proper and efficient conduct of the inspection work.		
(22) Thirteen food and drug inspectors, at \$1,800 each (<i>same acts</i>) ----	23, 400. 00	
(23) One food and drug inspector (<i>same acts</i>) -----	1, 620. 00	
(24) Eleven food and drug inspectors, at \$1,600 each (<i>same acts</i>) ----	17, 600. 00	
(25) Ten food and drug inspectors, at \$1,400 each (3 dropped) (<i>same acts</i>) -----	14, 000. 00	
NOTE.—See note under item 21.		
(26) One assistant (<i>same acts</i>) -----	1, 600. 00	
(27) Four laboratory helpers, at \$1,200 each (<i>same acts</i>) -----	4, 800. 00	
(28) One laboratory helper (<i>same acts</i>) -----	1, 020. 00	
(29) Four laboratory helpers, at \$1,000 each (<i>same acts</i>) -----	4, 000. 00	
(30) Four laboratory helpers, at \$960 each (<i>same acts</i>) -----	3, 840. 00	
(31) Three laboratory helpers, at \$900 each (<i>same acts</i>) -----	2, 700. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Chemistry—Continued.</i>		
(32) Seven laboratory helpers, at \$840 each (increase of 1 by transfer from lump fund for food and drugs) (<i>R. S., p. 37, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Mar. 2, 1901, vol. 31, p. 930, sec. 1; Mar. 4, 1917, vol. 39, p. 1151, sec. 1</i>) ---	\$5,880.00	
(33) Two laboratory helpers, at \$780 each (<i>same acts</i>) -----	1,560.00	
(34) Twenty-four laboratory helpers, messenger boys, or laborers, at \$720 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	17,280.00	
(35) Two laboratory helpers, messenger boys, or laborers, at \$660 each (<i>same acts</i>) -----	1,320.00	
(36) Thirty-four laboratory helpers, messenger boys, or laborers, at \$600 each (<i>same acts</i>) -----	20,400.00	
(37) One laboratory assistant (<i>same acts</i>) -----	1,200.00	
(38) One toolmaker (<i>same acts</i>) -----	1,200.00	
(39) Three samplers, at \$1,200 each (increase of 1 by transfer from lump fund for food and drugs) (<i>same acts</i>) -----	3,600.00	
(40) One janitor (<i>same acts</i>) -----	1,020.00	
(41) One mechanic (by transfer from lump fund for color investigations) (<i>same acts</i>) -----	1,800.00	
(42) Two mechanics, at \$1,400 each (increase of 1 by transfer from lump fund for color investigations) (<i>same acts</i>) -----	2,800.00	
(43) One mechanic (<i>same acts</i>) -----	1,200.00	
(44) One mechanic (<i>same acts</i>) -----	1,020.00	
(45) One mechanic (<i>same acts</i>) -----	960.00	
(46) One mechanic (<i>same acts</i>) -----	900.00	
(47) Two student assistants, at \$300 each (<i>same acts</i>) -----	600.00	
(48) Two messengers, at \$840 each (<i>same acts</i>) -----	1,680.00	
(49) One skilled laborer (<i>same acts</i>) -----	1,050.00	
(50) One skilled laborer (<i>same acts</i>) -----	840.00	
(51) Three messenger boys or laborers, at \$540 each (<i>same acts</i>) -----	1,620.00	
(52) Thirteen messenger boys or laborers, at \$480 each (increase of 1 by transfer from lump fund for color investigations) (<i>same acts</i>) -----	6,240.00	
(53) Three messenger boys or laborers, at \$420 each (<i>same acts</i>) -----	1,260.00	
(54) Two messenger boys or laborers, at \$360 each (<i>same acts</i>) -----	720.00	
(55) Nine charwomen, at \$240 each (<i>same acts</i>) -----	2,160.00	
	<u>\$393,910.00</u>	<u>\$362,990.00</u>

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Chemistry—Continued.</i>		
Appropriations for 1909..... \$66,720	Estimates for 1910..... \$83,240	
Appropriations for 1910..... 75,560	Estimates for 1911..... 79,360	
Appropriations for 1911..... 79,360	Estimates for 1912..... 242,190	
Appropriations for 1912..... 242,190	Estimates for 1913..... 262,940	
Appropriations for 1913..... 254,660	Estimates for 1914..... 274,860	
Appropriations for 1914..... 273,860	Estimates for 1915..... 281,500	
Appropriations for 1915..... 282,600	Estimates for 1916..... 291,540	
Appropriations for 1916..... 291,540	Estimates for 1917..... 315,590	
Appropriations for 1917..... 315,590	Estimates for 1918..... 362,130	
Appropriations for 1918..... 362,990	Estimates for 1919..... 393,910	
NOTE.—Apparent increase, \$30,920; actual decrease, \$4,760, as follows:		
<i>Places dropped.</i>		
22 clerks, at \$900 each.....	\$19,800	
1 clerk.....	840	
1 clerk.....	720	
3 food and drug inspectors, at \$1,400 each.....	4,200	
		\$25,560
<i>New places.</i>		
2 clerks, class 4	in lieu of 24 clerks dropped.....	3,600
2 clerks, class 3		3,200
2 clerks, class 2		2,800
6 clerks, class 1		7,200
2 food and drug inspectors, at \$2,000 each (in lieu of 3 food and drug inspectors dropped).....	4,000	
		20,800
Actual decrease.....		4,760
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 clerk, from food and drugs act.....	1,440	
3 clerks, class 2, from food and drugs act.....	4,200	
18 clerks, class 1, from food and drugs act.....	21,600	
2 clerks, at \$1,000 each, from food and drugs act.....	2,000	
1 laboratory helper, from food and drugs act.....	840	
1 laboratory helper, from food and drugs act.....	720	
1 sampler, from food and drugs act.....	1,200	
1 mechanic, from color investigations.....	1,800	
1 mechanic, from color investigations.....	1,400	
1 messenger boy or laborer, from color investigations.....	480	
		35,680
Apparent increase.....		30,920
<i>Places combined.</i>		
3 executive clerks, at \$2,000 each, in lieu of 1 executive clerk, \$2,000, and 2 executive clerks, at \$2,000 each.		

General Expenses, Bureau of Chemistry—

- (56) For all necessary expenses, for chemical apparatus, chemicals and supplies, repairs to apparatus, gas, electric current, official traveling expenses, telegraph and telephone service, express and freight charges, for the employment of such assistants, clerks, and other persons as the Secretary of Agriculture may consider necessary for the purposes named, in the city of Washington and elsewhere, in conducting investigations, collecting, reporting, and illustrating the results of such investigations; and for rent outside of the District of Columbia, for carrying out the investigations and work herein authorized, as follows (*acts June 3, 1902, v. l. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1*):

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																												
General Expenses, Bureau of Chemistry—Continued.																																																																																	
(57) For conducting the investigations contemplated by the act of May fifteenth, eighteen hundred and sixty-two, relating to the application of chemistry to agriculture (<i>acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1</i>)-----				\$42,400.00																																																																													
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Chemist in charge.....per annum..</td><td>\$3,500.00</td><td><i>Number.</i> 1(part time)</td><td><i>Number.</i> 1(part time)</td></tr><tr><td>Chemist in charge.....do....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Chemist in charge.....do....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Physiological chemist.....do....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>2,160.00</td><td>..</td><td>1(part time)</td></tr><tr><td>Assistant chemist.....do....</td><td>2,040.00</td><td>3</td><td>3</td></tr><tr><td>Assistant chemist.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>1,620.00</td><td>2</td><td>4</td></tr><tr><td>Assistant chemist.....do....</td><td>1,440.00</td><td>2</td><td>3</td></tr><tr><td>Assistant chemist.....do....</td><td>1,260.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>1,200.00</td><td>3</td><td>3</td></tr><tr><td>Salaries.....</td><td></td><td>\$28,000.00</td><td>\$28,912.64</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>4,000.00</td><td>3,809.06</td></tr><tr><td>Equipment and material.....</td><td></td><td>8,000.00</td><td>7,532.28</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>2,400.00</td><td>1,327.95</td></tr><tr><td>Total.....</td><td></td><td>42,400.00</td><td>41,581.93</td></tr></table>						Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Chemist in charge.....per annum..	\$3,500.00	<i>Number.</i> 1(part time)	<i>Number.</i> 1(part time)	Chemist in charge.....do....	3,000.00	1	1	Chemist in charge.....do....	2,520.00	1	1	Physiological chemist.....do....	2,520.00	1	1	Assistant chemist.....do....	2,160.00	..	1(part time)	Assistant chemist.....do....	2,040.00	3	3	Assistant chemist.....do....	1,800.00	1	1	Assistant chemist.....do....	1,620.00	2	4	Assistant chemist.....do....	1,440.00	2	3	Assistant chemist.....do....	1,260.00	1	1	Assistant chemist.....do....	1,200.00	3	3	Salaries.....		\$28,000.00	\$28,912.64	Other objects of expenditure:				Traveling expenses.....		4,000.00	3,809.06	Equipment and material.....		8,000.00	7,532.28	Miscellaneous items.....		2,400.00	1,327.95	Total.....		42,400.00	41,581.93
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(58) For collaboration with other departments of the Government desiring chemical investigations and whose heads request the Secretary of Agriculture for such assistance, and for other miscellaneous work (<i>same acts</i>)-----				14,000.00																																																																													
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Chemist in charge.....per annum..</td><td>\$3,000.00</td><td><i>Number.</i> 1</td><td><i>Number.</i> 1(part time)</td></tr><tr><td>Engineer in charge, grain dust explosion investigations.....do....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do....</td><td>2,520.00</td><td>1(part time)</td><td>1(part time)</td></tr><tr><td>Assistant chemist.....do....</td><td>2,160.00</td><td>1(part time)</td><td>1(part time)</td></tr><tr><td>Assistant chemist.....do....</td><td>2,040.00</td><td>2</td><td>2</td></tr><tr><td>Assistant chemist.....do....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistant.....do....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Micro-analyst.....do....</td><td>1,800.00</td><td>1</td><td>1(part time)</td></tr><tr><td>Salaries.....</td><td></td><td>\$11,000.00</td><td>\$11,231.67</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>2,000.00</td><td>1,984.48</td></tr><tr><td>Equipment and material.....</td><td></td><td>700.00</td><td>703.07</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>300.00</td><td>300.52</td></tr><tr><td>Total.....</td><td></td><td>14,000.00</td><td>14,219.74</td></tr></table>						Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Chemist in charge.....per annum..	\$3,000.00	<i>Number.</i> 1	<i>Number.</i> 1(part time)	Engineer in charge, grain dust explosion investigations.....do....	2,400.00	1	1	Assistant chemist.....do....	2,520.00	1(part time)	1(part time)	Assistant chemist.....do....	2,160.00	1(part time)	1(part time)	Assistant chemist.....do....	2,040.00	2	2	Assistant chemist.....do....	1,200.00	1	1	Scientific assistant.....do....	1,200.00	1	1	Micro-analyst.....do....	1,800.00	1	1(part time)	Salaries.....		\$11,000.00	\$11,231.67	Other objects of expenditure:				Traveling expenses.....		2,000.00	1,984.48	Equipment and material.....		700.00	703.07	Miscellaneous items.....		300.00	300.52	Total.....		14,000.00	14,219.74												
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(59) For investigating the character of the chemical and physical tests which are applied to American food products in foreign countries, and for inspecting the same before shipment when desired by the shippers or owners of these products intended for countries where chemical and physical tests are required before the said products are allowed to be sold therein; and for all necessary expenses in connection with such inspection and studies of methods of analysis in foreign countries (<i>same acts</i>)--				4,280.00																																																																													
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Assistant chemist.....per annum..</td><td>\$2,760.00</td><td><i>Number.</i> 1(part time)</td><td><i>Number.</i> 1(part time)</td></tr><tr><td>Assistant chemist.....do....</td><td>1,440.00</td><td>1</td><td>1(part time)</td></tr><tr><td>Clerk.....do....</td><td>1,440.00</td><td>..</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$3,000.00</td><td>\$1,253.00</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,280.00</td><td>612.00</td></tr><tr><td>Total.....</td><td></td><td>4,280.00</td><td>1,865.00</td></tr></table>						Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Assistant chemist.....per annum..	\$2,760.00	<i>Number.</i> 1(part time)	<i>Number.</i> 1(part time)	Assistant chemist.....do....	1,440.00	1	1(part time)	Clerk.....do....	1,440.00	..	1	Salaries.....		\$3,000.00	\$1,253.00	Other objects of expenditure:				Equipment and material.....		1,280.00	612.00	Total.....		4,280.00	1,865.00																																								
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† Recommended for transfer to statutory roll in estimates for 1919, from food and drugs fund.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1918.

General Expenses, Bureau of Chemistry—Continued.

- (60) For investigating the preparation for market, handling, grading, packing, freezing, drying, storing, transportation, and preservation of poultry and eggs, and for experimental shipments of poultry and eggs within the United States, in cooperation with the Bureau of Markets and the Bureau of Animal Industry (acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1). \$40,000.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chief of laboratory.....per annum..	\$3,500.00	1 (part time)	1 (part time)
Assistant chemist.....do....	2,520.00	1	1
Assistant chemist.....do....	2,280.00	1	1
Assistant chemist.....do....	2,160.00	1	1
Assistant chemist.....do....	2,040.00	1	1
Assistant chemist.....do....	1,800.00	1	1 (part time)
Assistant chemist.....do....	1,440.00	1	1
Investigator in poultry and egg handling.....do....	2,520.00	1	1
Investigator in poultry and egg handling.....do....	2,280.00	1	1
Investigators in poultry and egg handling.....do....	1,440.00	3	3
Investigator in poultry and egg handling.....do....	1,200.00	1	1
Bacteriologist.....do....	1,800.00	1	1
Bacteriologists.....do....	1,620.00	2	2
Scientific assistant.....do....	1,200.00	1	1
Aids and collaborators, \$720 to \$300.....do....	4 (temp.)
Artist.....per diem.....	9.00	..	1 (temp.)
Clerks*.....per annum.....	1,200.00	..	2
Salaries.....		\$26,000.00	\$28,829.17
Other objects of expenditure:			
Traveling expenses.....		6,090.00	5,919.34
Equipment and material.....		3,800.00	3,850.07
Telegraph and telephone service.....		600.00	536.09
Miscellaneous items.....		3,600.00	4,196.98
Total.....		40,000.00	41,361.65

* Transferred to statutory roll in Agricultural act for 1918, from food and drugs fund.

- (61) For investigating the handling, grading, packing, canning, freezing, storing, and transportation of fish, and for experimental shipments of fish, for the utilization of waste products, and the development of new sources of food (*same acts*).. 14,000.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chief of laboratory.....per annum..	\$3,500.00	1 (part time)	1 (part time)
Investigator in fish and fish products.....do....	2,520.00	1	1
Assistant chemists.....do....	1,620.00	1 (part time)	2 (1 temp.)
Assistant in fish investigations.....do....	1,620.00	1	1
Assistants in fish investigations.....do....	1,200.00	1	2 (1 temp.)
Specialist in agricultural, biological, and physiological chemistry.....do....	1,620.00	1 (part time)	1 (part time)
Clerk*.....do....	1,200.00	..	1
Salaries.....		\$6,000.00	\$5,860.08
Other objects of expenditure:			
Traveling expenses.....		2,800.00	2,653.89
Equipment and material.....		2,400.00	2,105.33
Miscellaneous items.....		2,800.00	1,626.69
Total.....		14,000.00	12,245.99

* Transferred to statutory roll in Agricultural act for 1918, from food and drugs fund.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Chemistry—Continued.</i>					
(62) For investigating the packing, handling, storing, and shipping of oysters and other shellfish in the United States and the waters bordering on the United States (<i>acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1</i>)				\$5,000.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Bacteriologist.....per annum..	\$2,280.00	1	1		
Bacteriologist.....do....	2,000.00	1 (temp.)	1 (temp.)		
Bacteriologist.....do....	1,200.00	1 (temp.)	1 (temp.)		
Student assistant.....do....	300.00	1	1 (temp.)		
Salaries.....		\$2,800.00	\$2,775.00		
Other objects of expenditure:					
Traveling expenses.....		1,400.00	1,484.10		
Equipment and material.....		600.00	253.14		
Miscellaneous items.....		200.00	404.79		
Total.....		5,000.00	4,917.03		
(63) For the biological investigation of food and drug products and substances used in the manufacture thereof, including investigations of the physiological effects of such products on the human organism (<i>same acts</i>)				15,000.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Organic chemist.....per annum..	\$3,000.00	1	1		
Organic chemists.....do....	2,040.00	1	2		
Organic chemists.....do....	1,800.00	2	1		
Chemists.....do....	1,200.00	3	1		
Salaries.....		\$12,000.00	\$8,939.25		
Other objects of expenditure:					
Traveling expenses.....		600.00	55.58		
Equipment and material.....		2,000.00	847.11		
Miscellaneous items.....		400.00	100.04		
Total.....		15,000.00	9,941.98		
(64) For the study and improvement of methods of utilizing by-products of citrus fruits; and the investigation and development of methods for determining maturity in fruits and vegetables, in cooperation with the Bureau of Plant Industry and the Bureau of Markets (<i>same acts</i>)				13,000.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Chemist in charge.....per annum..	\$3,000.00	1	1 (part time)		
Assistant chemist.....do....	2,040.00	1	1		
Assistant chemists.....do....	1,440.00	3	1		
Mechanic.....do....	1,200.00	..	1 (temp.)		
Clerk.....do....	1,200.00	..	1 (temp.)		
Salaries.....		\$8,800.00	\$2,444.67		
Other objects of expenditure:					
Traveling expenses.....		1,200.00	579.55		
Equipment and material.....		2,000.00	2,242.87		
Miscellaneous items.....		1,000.00	1,554.73		
Total.....		13,000.00	6,821.82		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Chemistry—Continued.</i>		
(65) For investigation and experiment in the utilization, for coloring purposes, of raw materials grown or produced in the United States, in cooperation with such persons, associations, or corporations as may be found necessary, including repairs, alterations, improvements, or additions to a building on the Arlington Experimental Farm [\$49,400] (acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1) :	\$70,720.00	
NOTE.—There is an apparent increase in this item of \$21,320, but, taking into consideration transfers to the statutory roll aggregating \$3,680, the actual increase is \$25,000.		
During the fiscal year ending June 30, 1917, \$8,186 was expended from the appropriation for color investigations for necessary changes in the building at Arlington farm, and \$28,000 for equipment for the laboratory and the plant at Arlington farm. The remainder of the appropriation for 1917 was used for salaries and other operating expenses of the laboratory. During the present fiscal year approximately \$15,000 will be expended in making additions to the building at Arlington farm, approximately \$20,000 for supplies, apparatus, machinery, and other equipment for the laboratory and the plant, and the remainder of the appropriation for salaries and operating expenses.		
Owing to the high cost of all building materials, labor, machinery, and laboratory apparatus, an increased appropriation will be necessary in order to conduct this work during the fiscal year 1919 on the scale originally planned. The proper development of the work also will require the employment of additional expert assistance. It is proposed to use the \$70,720 estimated for the next fiscal year as follows:		
Salaries.....	\$31,320 (increase of \$13,000)	
Travel.....	1,500 (increase of 800)	
Equipment and materials.....	20,500 (increase of 10,000)	
Miscellaneous.....	2,400 (increase of 1,200)	
Construction work.....	15,000 (no increase	
	70,720 (increase of 25,000)	
Results have already been secured from these investigations which will be highly beneficial in connection with the establishment of the dye industry in this country.		
New language has been added to the paragraph in order to provide specific authority for cooperation between the Bureau of Chemistry and private agencies in conducting these investigations.		
Employees.	Rate.	Estimated, 1919.
Salaries:		Number.
Chemist in charge.....per annum..	\$3,250.00	1
Organic chemist.....do.....	2,010.00	1
Organic chemists.....do.....	1,800.00	6
Assistant chemists.....do.....	2,640.00	2
Assistant chemists.....do.....	1,800.00	5 (3 new)
Assistant chemists.....do.....	1,620.00	2 (1 new)
Student assistant.....do.....	300.00	2 (temp.)
Instrument maker†.....do.....	1,800.00	1
Toolmaker†.....do.....	1,400.00	1
Clerk*.....do.....	1,200.00	3
Wages:		
Laborer*.....do.....	600.00	1
Salaries.....		\$31,320.00
Wages.....		\$15,115.44
Other objects of expenditure:		525.00
Traveling expenses.....		1,506.00
Equipment and material.....		20,506.00
Miscellaneous items.....		2,400.00
Construction work.....		a 15,000.00
Total.....		70,720.00
		54,321.01
a One concrete addition to color experimental plant at Arlington farm, containing 81,516 cubic feet. Estimated cost, \$12,000. One concrete addition to color experimental plant containing 29,780 cubic feet. Estimated cost, \$3,000.		
b This construction work consisted of alterations to a building at Arlington farm for installation of very heavy machinery, including concrete pilasters, buttresses, etc., in accordance with plans and specifications. (Unable to figure cubic feet.)		
* Transferred to statutory roll in Agricultural act for 1918, from food and drugs fund.		
† Recommended for transfer to statutory roll in estimates for 1919.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Chemistry—Continued.</i>		
(66) For the investigation and development of methods for the manufacture of table sirup (<i>acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1906, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1</i>)	\$7,000.00	

Employees.	Rate.	Estimated, 1919.	Expended, 1917.*
Salaries:		<i>Number.</i>	<i>Number.</i>
Chemist in charge.....per annum..	\$4,000.00	1 (part time)	--
Chemist.....do.....	2,040.00	1 (part time)	--
Chemist.....do.....	1,800.00	1 (part time)	--
Salaries.....		\$2,500.00	--
Other objects of expenditure:			
Traveling expenses.....		700.00	--
Equipment and material.....		3,400.00	--
Miscellaneous items.....		400.00	--
Total.....		7,000.00	--

* This fund was included in the appropriations for Bureau of Plant Industry for the fiscal year 1917.

- (67) For enabling the Secretary of Agriculture to carry into effect the provisions of the Act of June 30, 1906, entitled "An act for preventing the manufacture, sale, or transportation of adulterated, or misbranded, or poisonous, or deleterious foods, drugs, medicines, and liquors, and for regulating traffic therein, and for other purposes," in the city of Washington and elsewhere, including chemical apparatus, chemicals and supplies, repairs to apparatus, gas, electric current, official traveling expenses, telegraph and telephone service, express and freight charges, and all other expenses, employing such assistants, clerks and other persons as may be considered necessary for the purposes named, and rent outside of the District of Columbia; and to cooperate with associations and scientific societies in the revision of the United States Pharmacopoeia and development of methods of analysis **["\$623,521"]** (*same acts*)

589,081.00

NOTE.—There is an apparent decrease in this item of \$34,440, due to transfers to the statutory roll of this bureau aggregating \$32,000 and transfers to the statutory roll of the Secretary's office amounting to \$2,440.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant chiefs.....per annum..	\$4,000.00	1	3 (2 temp.)
Chemists in charge of laboratories.....do....	4,000.00	4	4
Chemist in charge of laboratory.....do....	3,500.00	1	1
Chemists in charge of laboratories.....do....	3,250.00	3	3
Chemists in charge of laboratories.....do....	3,000.00	5	5 (2 part time)
Chemists in charge of laboratories.....do....	2,760.00	5	5
Chemists in charge of laboratories.....do....	2,520.00	7	7
Chemists in charge of laboratories.....do....	2,280.00	3	3
Chemists in charge of laboratories.....do....	2,040.00	2	2
Chemist in charge of laboratory.....do....	1,800.00	1	1
Chemist in charge of laboratory.....do....	1,620.00	1	1
Chemist in charge of laboratory.....do....	1,200.00	1	1
Food and drug inspection chemist.....do....	4,000.00	1	1
Food and drug inspection chemists.....do....	3,000.00	2	2
Food and drug inspection chemists.....do....	2,760.00	2	2
Chiefs of food and drug inspection districts.....do....	4,000.00	2	2
Chief of food and drug inspection district.....do....	3,600.00	--	1 (temp.)
Chief of food and drug inspection district.....do....	3,500.00	1	1
Pharmaceutical research chemist.....do....	3,000.00	1	1
Food and drug inspector *.....do....	2,250.00	--	1
Microanalyst.....do....	2,280.00	1	1
Microanalyst.....do....	1,800.00	1	1 (part time)
Microanalysts.....do....	1,200.00	3	3
Medicochemical analyst.....do....	2,520.00	1	1
Medicochemical analyst.....do....	2,040.00	1	1
Medicochemical analyst.....do....	2,000.00	1	1
Medicochemical analyst.....do....	1,800.00	1	1
Bacteriologist.....do....	2,500.00	1	1
Bacteriologist.....do....	2,280.00	1	1

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Chemistry—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Bacteriologist.....per annum..	\$2,280.00	1	1		
Bacteriologists.....do.....	1,800.00	2	2		
Bacteriologist.....do.....	1,620.00	1	1 (temp.)		
Bacteriologists.....do.....	1,200.00	4	4		
Assistant chemists.....do.....	2,760.00	6	6		
Assistant chemists.....do.....	2,520.00	5	5		
Assistant chemist.....do.....	2,400.00	1	1		
Assistant chemists.....do.....	2,280.00	6	6		
Assistant chemists.....do.....	2,160.00	2	2		
Assistant chemists.....do.....	2,040.00	24	24		
Assistant chemists.....do.....	2,000.00	2	1		
Assistant chemists.....do.....	1,800.00	42	42		
Assistant chemists.....do.....	1,620.00	25	21		
Assistant chemist.....do.....	1,000.00	1	1 (temp.)		
Assistant chemists.....do.....	1,440.00	19	19		
Assistant chemists.....do.....	1,200.00	14	14 (2 temp.)		
Assistant chemist.....do.....	1,020.00	1	1		
Organic chemists.....do.....	2,760.00	2	2		
Organic chemist.....do.....	2,280.00	1	1		
Organic chemists.....do.....	2,040.00	3	3		
Organic chemists.....do.....	1,800.00	2	2		
Organic chemist.....do.....	1,440.00	1	1		
Assistant to Secretary.....do.....	2,750.00	1	1 (part time)		
Assistant (office of information).....do.....	2,000.00	1	1 (temp.)		
Collaborators, \$9 per diem to \$1 per annum (not exceeding \$300 in the aggregate).....		68 (temp.)	74 (temp.)		
Junior engineer.....per annum.....	1,500.00	1	1		
Chemist's aid.....do.....	1,080.00	1	1		
Chemist's aids.....do.....	1,020.00	4	4		
Clerks *.....do.....	1,400.00	2	2		
Clerk †.....do.....	1,400.00	1	1		
Clerk.....do.....	1,400.00	1	1 (temp.)		
Clerks *.....do.....	1,200.00	16	16		
Clerks †.....do.....	1,200.00	5	5		
Clerks.....do.....	1,200.00	3	3 (temp.)		
Clerk *.....do.....	1,080.00	1	1		
Clerk *.....do.....	1,020.00	1	1		
Clerk †.....do.....	1,000.00	1	1		
Electrical engineer and draftsman *.....do.....	1,200.00	1	1		
Nutrition expert.....do.....	1,200.00	1	1 (temp.)		
Messenger boys, \$840 and \$600 *.....do.....		2	2		
Sampler *.....do.....	1,200.00	1	1		
Sampler †.....do.....	1,200.00	1	1		
Laboratory helper †.....do.....	840.00	1	1		
Watchmen †.....do.....	720.00	2	2		
Chemist's aids, telephone operator, watchmen, and student assistants, \$960 to \$300.....do.....		8 (5 temp.)	15 (12 temp.)		
Consulting pharmacologist, pharmacologist, specialist, coffee expert, food and drug inspection chemist, from \$11 to \$8.....per diem.....			6 (temp.)		
Wages:					
Electrical wireman.....per annum.....	1,020.00	1	1 (temp.)		
Electrical wireman †.....do.....	1,000.00	1	1		
Laborer *.....do.....	720.00	1	1		
Laborer †.....do.....	720.00	1	1		
Laborers *.....do.....	600.00	11	11		
Laborers *.....do.....	540.00	2	2		
Laborer *.....do.....	420.00	1	1		
Laborer †.....do.....	300.00	1	1		
Laborers, \$600 and \$240.....do.....		4 (temp.)	4 (temp.)		
Painters.....per diem.....	3.50	3 (temp.)	3 (temp.)		
Salaries.....		\$413,000.00	\$422,276.34		
Wages.....			6,744.01		
Other objects of expenditure:					
Traveling expenses.....		71,090.00	75,561.06		
Equipment and material.....		66,000.00	73,989.05		
Telegraph and telephone service.....		8,000.00	7,769.69		
Miscellaneous items.....		31,081.00	36,739.47		
Total.....		589,081.00	623,079.62		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (68) For investigating the grading, weighing, handling and transportation of naval stores, the preparation of definite type samples thereof, and for the demonstration of improved methods or processes of preparing naval stores, in cooperation with individuals and companies, including the employment of necessary persons and means in the city of Washington and elsewhere (acts June 3, 1902, vol. 32, p. 303, sec. 1; June 30, 1903, vol. 34, pp. 768-770, sec. 1; Mar. 4, 1917, vol. 39, pp. 1151-1152, sec. 1) - \$10,000.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																													
<i>General Expenses, Bureau of Chemistry—Continued.</i>																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chemist in charge.....per annum..</td><td>\$3,500.00</td><td>1 (part time)</td><td>1 (part time)</td></tr><tr><td>Organic chemist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Organic chemist.....do.....</td><td>1,500.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Assistant chemist.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Assistant chemist.....do.....</td><td>900.00</td><td>1</td><td>2 (temp.)</td></tr><tr><td>Clerk*.....do.....</td><td>1,200.00</td><td>1</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$6,200.00</td><td>\$6,204.34</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>1,600.00</td><td>1,675.58</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,700.00</td><td>1,780.58</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>500.00</td><td>172.39</td></tr><tr><td>Total.....</td><td></td><td>10,000.00</td><td>9,832.89</td></tr></table>				Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Chemist in charge.....per annum..	\$3,500.00	1 (part time)	1 (part time)	Organic chemist.....do.....	2,040.00	1	1	Organic chemist.....do.....	1,500.00	1	1 (temp.)	Assistant chemist.....do.....	1,800.00	1	1	Assistant chemist.....do.....	1,440.00	1	1	Assistant chemist.....do.....	900.00	1	2 (temp.)	Clerk*.....do.....	1,200.00	1	1	Salaries.....		\$6,200.00	\$6,204.34	Other objects of expenditure:				Traveling expenses.....		1,600.00	1,675.58	Equipment and material.....		1,700.00	1,780.58	Miscellaneous items.....		500.00	172.39	Total.....		10,000.00	9,832.89			
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* Transferred to statutory roll in Agricultural act for 1918 from food and drugs fund.																																																																		
(69) For the investigation and development of methods of manufacturing insecticides and fungicides, and for investigating chemical problems relating to the composition, action, and application of insecticides and fungicides (submitted).....				\$25,000.00																																																														
NOTE.—This new item is proposed in order to enable the bureau to undertake chemical investigations looking to the development of new, better, and cheaper insecticides and fungicides. In connection with the investigational and regulatory work of other branches of the department, the Bureau of Chemistry is frequently requested to conduct chemical investigations on insecticides and fungicides, which service it is unable to render on account of the lack of funds. It is especially desirable that efforts be made at this time to develop methods for producing new and cheaper insecticides and fungicides, in view of the fact that the cost of the materials which enter into the manufacture of the preparations now in use has advanced from 300 to 400 per cent.																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.*</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Chemist.....per annum..</td><td>\$2,520.00</td><td>1</td><td>..</td></tr><tr><td>Chemist.....do.....</td><td>2,040.00</td><td>1</td><td>..</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,800.00</td><td>2</td><td>..</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,620.00</td><td>2</td><td>..</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,440.00</td><td>2</td><td>..</td></tr><tr><td>Assistant chemists.....do.....</td><td>1,200.00</td><td>2</td><td>..</td></tr><tr><td>Salaries.....</td><td></td><td>\$16,000.00</td><td>.....</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,500.00</td><td>.....</td></tr><tr><td>Equipment and material.....</td><td></td><td>4,000.00</td><td>.....</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>1,500.00</td><td>.....</td></tr><tr><td>Total.....</td><td></td><td>25,000.00</td><td>.....</td></tr></table>				Employees.	Rate.	Estimated, 1919.	Expended, 1917.*	Salaries:		<i>Number.</i>	<i>Number.</i>	Chemist.....per annum..	\$2,520.00	1	..	Chemist.....do.....	2,040.00	1	..	Assistant chemists.....do.....	1,800.00	2	..	Assistant chemists.....do.....	1,620.00	2	..	Assistant chemists.....do.....	1,440.00	2	..	Assistant chemists.....do.....	1,200.00	2	..	Salaries.....		\$16,000.00	Other objects of expenditure:				Traveling expenses.....		3,500.00	Equipment and material.....		4,000.00	Miscellaneous items.....		1,500.00	Total.....		25,000.00							
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* No appropriation for fiscal year 1917.																																																																		
In all, for general expenses.....				\$849,481.00	\$837,601.00																																																													
<table><tr><td>Appropriations for 1909.....¹ \$160,000</td><td>Estimates for 1910.....² \$208,890</td></tr><tr><td>Deficiency act.....¹ 100,000</td><td></td></tr><tr><td>Appropriations for 1910.....¹ 117,540</td><td>Estimates for 1911.....² 114,000</td></tr><tr><td>Appropriations for 1911.....¹ 114,000</td><td>Estimates for 1912.....² 111,480</td></tr><tr><td>Appropriations for 1912.....¹ 111,480</td><td>Estimates for 1913.....² 101,280</td></tr><tr><td>Appropriations for 1913.....¹ 89,280</td><td>Estimates for 1914.....² 114,280</td></tr><tr><td>Appropriations for 1914.....¹ 109,280</td><td>Estimates for 1915.....² 180,680</td></tr><tr><td>Appropriations for 1915.....¹ 150,680</td><td>Estimates for 1916.....² 164,080</td></tr><tr><td>Appropriations for 1916.....¹ 139,680</td><td>Estimates for 1917.....³ 832,211</td></tr><tr><td>Appropriations for 1917.....³ 838,211</td><td>Estimates for 1918.....³ 927,201</td></tr><tr><td>Appropriations for 1918.....³ 837,601</td><td>Estimates for 1919.....³ 849,481</td></tr></table>				Appropriations for 1909..... ¹ \$160,000	Estimates for 1910..... ² \$208,890	Deficiency act..... ¹ 100,000		Appropriations for 1910..... ¹ 117,540	Estimates for 1911..... ² 114,000	Appropriations for 1911..... ¹ 114,000	Estimates for 1912..... ² 111,480	Appropriations for 1912..... ¹ 111,480	Estimates for 1913..... ² 101,280	Appropriations for 1913..... ¹ 89,280	Estimates for 1914..... ² 114,280	Appropriations for 1914..... ¹ 109,280	Estimates for 1915..... ² 180,680	Appropriations for 1915..... ¹ 150,680	Estimates for 1916..... ² 164,080	Appropriations for 1916..... ¹ 139,680	Estimates for 1917..... ³ 832,211	Appropriations for 1917..... ³ 838,211	Estimates for 1918..... ³ 927,201	Appropriations for 1918..... ³ 837,601	Estimates for 1919..... ³ 849,481																																									
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¹ Exclusive of amount provided for enforcement of the food and drugs act.																																																																		
² Exclusive of amount asked for enforcement of the food and drugs act.																																																																		
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Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).																																																																		
GENERAL EXPENSES—BUREAU OF CHEMISTRY.																																																																		
4 clerks, at \$1,400 per annum each.																																																																		
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1 clerk, \$1,020 per annum.																																																																		
1 clerk, \$1,000 per annum.																																																																		
Total for Bureau of Chemistry.....				1,243,391.00	1,200,591.00																																																													

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF SOILS.		
<i>Salaries, Bureau of Soils—</i>		
(1) One soil physicist, who shall be chief of bureau (<i>R. S.</i> , p. 87, secs. 520-523; acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, pp. 1152, 1153, sec. 1).....	\$4,000.00	
(2) One chief clerk (<i>same acts</i>).....	2,000.00	
(3) One executive assistant (<i>same acts</i>).....	2,000.00	
(4) Four clerks, class 4 (<i>same acts</i>).....	7,200.00	
(5) Two clerks, class 3 (<i>same acts</i>).....	3,200.00	
(6) Five clerks, class 2 (<i>same acts</i>).....	7,000.00	
(7) One clerk (<i>same acts</i>).....	1,260.00	
(8) Ten clerks, class 1 (increase of 2 in lieu of clerks dropped, as below) (<i>same acts</i>).....	12,000.00	
NOTE.—See note under item 9.		
(9) Seven clerks, at \$1,000 each (increase of 2 in lieu of clerks dropped, as below) (<i>same acts</i>).....	7,000.00	
NOTE.—The changes in the two grades immediately above involve the substitution of two \$1,200 and two \$1,000 clerks in lieu of 5 clerks, at \$900 each, dropped, as below, with a net decrease of \$100. The \$900 positions are of practically no value to the bureau as it is impossible to obtain and hold competent clerical help at that salary. Four of the five positions have been vacant at one time, materially reducing the efficiency of the force and hindering the work of the bureau. If the four higher-grade places requested are made available it is planned to fill them by original appointments.		
(10) [Five clerks, at \$900 each, dropped.]		
NOTE.—See note under item 9.		
(11) One soil cartographer (<i>same acts</i>).....	1,800.00	
(12) One chief draftsman (<i>same acts</i>).....	1,600.00	
(13) One soil bibliographer or draftsman (<i>same acts</i>).....	1,400.00	
(14) One photographer (<i>same acts</i>).....	1,200.00	
(15) Five draftsmen, at \$1,200 each (<i>same acts</i>).....	6,000.00	
(16) One clerk-draftsman (<i>same acts</i>).....	1,200.00	
(17) Two draftsmen, at \$1,000 each (<i>same acts</i>).....	2,000.00	
(18) One laboratory helper (<i>same acts</i>).....	1,000.00	
(19) Three laboratory helpers, at \$840 each (<i>same acts</i>).....	2,520.00	
(20) One machinist (by transfer from lump fund for investigation of fertilizer resources) (<i>same acts</i>).....	1,440.00	
(21) One machinist (<i>same acts</i>).....	1,380.00	
(22) One instrument maker (<i>same acts</i>).....	1,200.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																								
<i>Salaries, Bureau of Soils—Continued.</i>																																										
(23) One machinist's helper (<i>R. S., p. 87, secs. 520-523; acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, pp. 1152, 1153, sec. 1</i>) -----	\$900. 00																																									
(24) One messenger (<i>same acts</i>)-----	840. 00																																									
(25) Three messengers, messenger boys, or laborers, at \$480 each (<i>same acts</i>)-----	1, 440. 00																																									
(26) Three laborers, at \$600 each (increase of 1 by transfer from lump fund for investigation of fertilizer resources) (<i>same acts</i>)-----	1, 800. 00																																									
(27) One laborer (<i>same acts</i>)-----	300. 00																																									
(28) One charwoman or laborer (<i>same acts</i>)-----	480. 00																																									
	\$74, 160. 00	\$72, 220. 00																																								
<table><tr><td>Appropriations for 1909.....</td><td>\$34, 700</td><td>Estimates for 1910.....</td><td>\$34, 500</td></tr><tr><td>Appropriations for 1910.....</td><td>35, 500</td><td>Estimates for 1911.....</td><td>37, 420</td></tr><tr><td>Appropriations for 1911.....</td><td>37, 420</td><td>Estimates for 1912.....</td><td>52, 020</td></tr><tr><td>Appropriations for 1912.....</td><td>48, 320</td><td>Estimates for 1913.....</td><td>57, 330</td></tr><tr><td>Appropriations for 1913.....</td><td>50, 540</td><td>Estimates for 1914.....</td><td>57, 420</td></tr><tr><td>Appropriations for 1914.....</td><td>53, 620</td><td>Estimates for 1915.....</td><td>59, 420</td></tr><tr><td>Appropriations for 1915.....</td><td>60, 820</td><td>Estimates for 1916.....</td><td>62, 420</td></tr><tr><td>Appropriations for 1916.....</td><td>62, 420</td><td>Estimates for 1917.....</td><td>70, 000</td></tr><tr><td>Appropriations for 1917.....</td><td>70, 000</td><td>Estimates for 1918.....</td><td>72, 620</td></tr><tr><td>Appropriations for 1918.....</td><td>72, 220</td><td>Estimates for 1919.....</td><td>74, 160</td></tr></table>			Appropriations for 1909.....	\$34, 700	Estimates for 1910.....	\$34, 500	Appropriations for 1910.....	35, 500	Estimates for 1911.....	37, 420	Appropriations for 1911.....	37, 420	Estimates for 1912.....	52, 020	Appropriations for 1912.....	48, 320	Estimates for 1913.....	57, 330	Appropriations for 1913.....	50, 540	Estimates for 1914.....	57, 420	Appropriations for 1914.....	53, 620	Estimates for 1915.....	59, 420	Appropriations for 1915.....	60, 820	Estimates for 1916.....	62, 420	Appropriations for 1916.....	62, 420	Estimates for 1917.....	70, 000	Appropriations for 1917.....	70, 000	Estimates for 1918.....	72, 620	Appropriations for 1918.....	72, 220	Estimates for 1919.....	74, 160
Appropriations for 1909.....	\$34, 700	Estimates for 1910.....	\$34, 500																																							
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Appropriations for 1917.....	70, 000	Estimates for 1918.....	72, 620																																							
Appropriations for 1918.....	72, 220	Estimates for 1919.....	74, 160																																							
NOTE.—Apparent increase, \$1,940; actual decrease, \$100, as follows:																																										
<i>Transfers from lump fund of this bureau, which fund has been correspondingly reduced.</i>																																										
1 machinist, from investigation of fertilizer resources.....	\$1, 440																																									
1 laborer, from investigation of fertilizer resources.....	600																																									
	-----	\$2, 040																																								
<i>Places dropped.</i>																																										
5 clerks, at \$900 each.....	4, 500																																									
<i>New places.</i>																																										
2 clerks, class 1.....	} in lieu of 5 clerks dropped.... {	\$2, 400																																								
2 clerks, at \$1,000 each.....																																										
	-----	4, 400																																								
Actual decrease.....		100																																								
Apparent increase.....		1, 940																																								
<i>General Expenses, Bureau of Soils—</i>																																										
(29) For all necessary expenses connected with the investigations and experiments hereinafter authorized, including the employment of investigators, local and special agents, assistants, experts, clerks, draftsmen, and labor in the city of Washington and elsewhere; official traveling expenses, materials, tools, instruments, apparatus, repairs to apparatus, chemicals, furniture, office fixtures, stationery, gas, electric current, telegraph and telephone service, express and freight charges, rent outside the District of Columbia, and for all other necessary supplies and expenses, as follows (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, p. 1153, sec. 1</i>):																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																
General Expenses, Bureau of Soils—Continued.																																																																																					
(30) For chemical investigations of soil types, soil composition and soil minerals, the soil solution, solubility of soil and all chemical properties of soils in their relation to soil formation, soil texture, and soil productivity, including all routine chemical work in connection with the soil survey (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, p. 1153, sec. 1</i>) -----				\$25,610.00																																																																																	
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Biochemist.....per annum..</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientist.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Scientists.....do.....</td><td>2,000.00</td><td>2</td><td>2</td></tr><tr><td>Scientists.....do.....</td><td>1,800.00</td><td>1</td><td>2 (1 temp.)</td></tr><tr><td>Scientists.....do.....</td><td>1,600.00</td><td>2</td><td>2</td></tr><tr><td>Scientists.....do.....</td><td>1,500.00</td><td>..</td><td>2</td></tr><tr><td>Scientists.....do.....</td><td>1,500.00</td><td>2</td><td>..</td></tr><tr><td>Scientists.....do.....</td><td>1,440.00</td><td>3</td><td>1</td></tr><tr><td>Laboratory helper.....do.....</td><td>840.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborer and electrician, \$4 and \$1.50.....per diem.....</td><td>..</td><td>..</td><td>2</td></tr><tr><td>Salaries.....</td><td></td><td>\$21,720.00</td><td>\$15,287.12</td></tr><tr><td>Wages.....</td><td></td><td></td><td>173.50</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>150.00</td><td>22.92</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,475.00</td><td>3,525.64</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>265.00</td><td>269.90</td></tr><tr><td>Total.....</td><td></td><td>25,610.00</td><td>19,279.08</td></tr></table>				Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Biochemist.....per annum..	\$3,000.00	1	1	Scientist.....do.....	2,400.00	1	1	Scientists.....do.....	2,000.00	2	2	Scientists.....do.....	1,800.00	1	2 (1 temp.)	Scientists.....do.....	1,600.00	2	2	Scientists.....do.....	1,500.00	..	2	Scientists.....do.....	1,500.00	2	..	Scientists.....do.....	1,440.00	3	1	Laboratory helper.....do.....	840.00	..	1 (temp.)	Wages:				Temporary laborer and electrician, \$4 and \$1.50.....per diem.....	2	Salaries.....		\$21,720.00	\$15,287.12	Wages.....			173.50	Other objects of expenditure:				Traveling expenses.....		150.00	22.92	Equipment and material.....		3,475.00	3,525.64	Miscellaneous items.....		265.00	269.90	Total.....		25,610.00	19,279.08		
Employees.	Rate.	Estimated, 1919.	Expended, 1917.																																																																																		
Salaries:		<i>Number.</i>	<i>Number.</i>																																																																																		
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Scientist.....do.....	2,400.00	1	1																																																																																		
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Scientists.....do.....	1,800.00	1	2 (1 temp.)																																																																																		
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Total.....		25,610.00	19,279.08																																																																																		
(31) For physical investigations of the important properties of soil which determine productivity, such as moisture relations, aerations, heat conductivity, texture, and other physical investigations of the various soil classes and soil types (<i>same acts</i>) -----				12,225.00																																																																																	
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Scientist.....per annum..</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Scientist.....do.....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Scientist.....do.....</td><td>1,600.00</td><td>1</td><td>..</td></tr><tr><td>Scientist.....do.....</td><td>1,500.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Scientist.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Scientist.....do.....</td><td>1,400.00</td><td>1</td><td>1</td></tr><tr><td>Scientist.....do.....</td><td>1,320.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Soil physicist.....do.....</td><td>1,200.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Instrument maker.....do.....</td><td>1,200.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Laboratory helper.....do.....</td><td>1,000.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Laboratory helper and collaborator, \$720 and \$1.....do.....</td><td>..</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$9,560.00</td><td>\$8,640.44</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>50.00</td><td>46.30</td></tr><tr><td>Equipment and material.....</td><td></td><td>2,540.00</td><td>3,448.94</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>75.00</td><td>25.65</td></tr><tr><td>Total.....</td><td></td><td>12,225.00</td><td>12,161.33</td></tr></table>				Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Scientist.....per annum..	\$3,000.00	1	1	Scientist.....do.....	2,040.00	1	1	Scientist.....do.....	1,600.00	1	..	Scientist.....do.....	1,500.00	..	1 (temp.)	Scientist.....do.....	1,440.00	1	1	Scientist.....do.....	1,400.00	1	1	Scientist.....do.....	1,320.00	..	1 (temp.)	Soil physicist.....do.....	1,200.00	..	1 (temp.)	Instrument maker.....do.....	1,200.00	..	1 (temp.)	Laboratory helper.....do.....	1,000.00	..	1 (temp.)	Laboratory helper and collaborator, \$720 and \$1.....do.....	2 (temp.)	Salaries.....		\$9,560.00	\$8,640.44	Other objects of expenditure:				Traveling expenses.....		50.00	46.30	Equipment and material.....		2,540.00	3,448.94	Miscellaneous items.....		75.00	25.65	Total.....		12,225.00	12,161.33						
Employees.	Rate.	Estimated, 1919.	Expended, 1917.																																																																																		
Salaries:		<i>Number.</i>	<i>Number.</i>																																																																																		
Scientist.....per annum..	\$3,000.00	1	1																																																																																		
Scientist.....do.....	2,040.00	1	1																																																																																		
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Total.....		12,225.00	12,161.33																																																																																		
(32) For exploration and investigation within the United States to determine possible sources of supply of potash, nitrates, and other natural fertilizers [\$33,380] (<i>same acts</i>) -----				31,340.00																																																																																	
NOTE.—There is an apparent decrease in this item of \$2,040, due to the transfer to the statutory roll of one machinist at \$1,440 and one laborer at \$600.																																																																																					

NOTE.—There is an apparent decrease in this item of \$2,040, due to the transfer to the statutory roll of one machinist at \$1,440 and one laborer at \$600.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Soils—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number</i>	<i>Number.</i>		
Assistant in charge.....per annum..	\$3,000.00	1	1		
Scientists.....do.....	2,640.00	2	3 (1 temp.)		
Scientist.....do.....	2,000.00	1	1		
Scientists.....do.....	1,800.00	2	3 (1 temp.)		
Scientists.....do.....	1,560.00	1	3 (2 temp.)		
Scientist.....do.....	1,500.00	1	1		
Scientists.....do.....	1,440.00	2	2		
Scientist.....do.....	1,440.00	1	1		
Electrochemist.....do.....	1,320.00		1		
Analyst.....do.....	2,000.00	1	1 (temp.)		
Laboratory helper*.....do.....	1,800.00	1	1		
Clerks, watchmen, and collaborator, \$900 to \$300.....do.....	840.00	1	5 (temp.)		
Wages:					
Machinist †.....do.....	1,440.00	1	1		
Machinist*.....do.....	1,380.00	1	1		
Machinist helper*.....do.....	900.00	1	1		
Expert balance repairer and electrician, \$12.50 and \$4.....per diem.....		2 (temp.)			
Salaries.....		\$23,560.00	\$23,909.32		
Wages.....			1,523.17		
Other objects of expenditure:					
Traveling expenses.....		360.00	1,328.68		
Equipment and material.....		4,400.00	5,542.76		
Miscellaneous items.....		3,020.00	3,407.71		
Total.....		31,340.00	35,711.64		
*Transferred to statutory roll in Agricultural act for 1918.					
† Recommended for transfer to statutory roll in estimates for 1919.					
(33) For the investigation of soils, in cooperation with other branches of the Department of Agriculture, other departments of the Government, State agricultural experiment stations, and other State institutions, and for indicating upon maps and plats, by coloring or otherwise, the results of such investigations (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, p. 1153, sec. 1</i>).....					
				\$198,200.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Scientist.....per annum..	\$3,750.00	1	1		
Scientist.....do.....	3,250.00	1	1		
Scientists.....do.....	2,500.00	5	6 (1 parttime)		
Scientist.....do.....	2,000.00	1	1		
Scientists.....do.....	1,920.00	3	3		
Scientist.....do.....	1,860.00	1	1		
Scientists.....do.....	1,800.00	6	5		
Scientists.....do.....	1,740.00	3	3		
Scientists.....do.....	1,680.00	2	2		
Scientists.....do.....	1,620.00	2	2		
Scientists.....do.....	1,560.00	9	7		
Scientist.....do.....	1,500.00	1	1		
Scientists.....do.....	1,440.00	6	4		
Scientists.....do.....	1,320.00	6	12 (1 temp.)		
Scientists.....do.....	1,200.00	17	6 (1 temp.)		
Scientists.....do.....	1,080.00	12	8		
Clerk, draftsman and field assistant, \$1,080 and \$900.....do.....		3 (temp.)			
Collaborators.....do.....	1.00	35	35		
Wages:					
Laborers.....per diem.....	2.00	3 (temp.)			
Salaries.....		\$117,535.00	\$90,249.22		
Wages.....			406.00		
Other objects of expenditure:					
Traveling expenses.....		75,100.00	66,481.65		
Equipment and material.....		4,000.00	3,671.67		
Miscellaneous items.....		1,565.00	1,403.92		
Total.....		198,200.00	162,212.46		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Soils—Continued.

- (34) For the examination and classification of agricultural lands in forest reserves, in cooperation with the Forest Service (*acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, p. 1153, sec. 1*)----- \$18,100.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Scientist.....per annum..	\$2,500.00	1	1 (part time)
Scientist.....do....	1,920.00	1	1
Scientists.....do....	1,620.00	2	1
Scientists.....do....	1,500.00	1	2
Scientist.....do....	1,200.00	1	1
Scientists.....do....	1,080.00	2	2
Salaries.....		\$12,100.00	\$10,861.67
Other objects of expenditure:			
Traveling expenses.....		5,900.00	6,165.90
Miscellaneous items.....		100.00	48.23
Total.....		18,100.00	17,075.80

- (35) For the investigation and demonstration within the United States to determine the best method of obtaining potash on a commercial scale, \$127,600: *Provided, That the product obtained from such experimentation may be sold at a price to be determined by the Secretary of Agriculture, and the amount obtained from the sale thereof shall be covered into the Treasury as miscellaneous receipts (submitted)*----- 127,600.00

NOTE.—While this appears as a new item under general expenses, it contemplates a continuance during the fiscal year 1919 of the potash work authorized by Congress in the agricultural act for the fiscal year 1917. An appropriation of \$175,000 was carried in the act for 1917, but there remained at the close of the year an unexpended balance of \$150,253.62. No additional funds were requested in the estimates for 1918, but Congress, upon the recommendation of the Secretary of Agriculture, reappropriated and made available for expenditure during that year the unexpended balance of the original appropriation of \$175,000. The estimate submitted for 1919 (\$127,600) represents an actual decrease, therefore, of \$22,653.62 below the amount available for the current fiscal year. This estimate is believed to be a very conservative one and is based upon experience gained during the brief period that the kelp plant at Summerland, Cal., has been in actual operation and upon the department's familiarity with the operation of private plants on the Pacific coast. It is proposed to expend this amount as follows: (a) Salaries, \$41,630; (b) equipment and material, \$30,000; and (c) miscellaneous items, \$55,920, including \$36,230 for fuel oil, \$1,800 for distillate oil, \$4,200 for electric current, \$365 for water, \$175 for rent (ground and wharfage privileges), \$2,500 for estimated repairs to the wharf, \$600 for traveling expenses, and \$10,000 for repairs and alterations to the machinery and equipment of the plant.

The language of this paragraph follows the phraseology of the item contained in the act for 1917, except that the words "at a price to be determined by the Secretary of Agriculture" have been substituted in the present item for the words "at the market price of such product," and the words "including the establishment of such plant or plants as may be necessary therefor," have been eliminated. It is believed to be desirable to give the Secretary of Agriculture authority to fix the price of the product, in view of the unusual market conditions which might arise from time to time. The words "including the establishment of such plant or plants as may be necessary therefor" are omitted because the plant will be completed during the present fiscal year.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Scientist.....per annum..	\$3,000.00	1	1
Mechanical engineer.....do....	2,500.00	1	1
Clerk.....do....	1,560.00	1	1
Chemist.....do....	1,800.00	1 (temp.)	...
Master mechanics.....do....	1,800.00	2 (temp.)	...
Evaporator man.....do....	1,800.00	1 (temp.)	...
Captain.....do....	1,500.00	1 (temp.)	...
Mechanic.....do....	1,500.00	1 (temp.)	...
Engineer.....do....	1,200.00	1 (temp.)	...
Lixiviation man.....do....	1,080.00	1 (temp.)	...
Clerk and watchmen.....do....	900.00	3 (temp.)	...
Draftsmen.....	5.00 } per diem		
	20.00 } per week		2 (temp.)

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Soils—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Wages:		Number.	Number.		
Deckhands, hoist and furnace men..per annum..	\$1,020.00	7	---		
Laborers.....do.....	900.00	12	---		
Temporary laborers and carpenters, \$5 to \$1.75.....per diem..		30	102		
Salaries.....		\$22,249.00	\$4,498.34		
Wages.....		19,440.00	4,730.75		
Other objects of expenditure:					
Traveling expenses.....		600.00	1,528.85		
Equipment and material.....		30,000.00	10,800.52		
Miscellaneous items.....		55,320.00	2,217.92		
Construction work.....			970.00		
Total.....		127,600.00	24,746.38		
* This construction work consisted of the following building: One frame office building (temporary) at Summerland, Cal., containing 10,622 cubic feet at \$9.091 a cubic foot.....				\$970.00	
(36) For general administrative expenses connected with the above-mentioned lines of investigation (<i>acts June 3, 1902, vol. 32, p. 297, sec. 1; Mar. 4, 1917, vol. 39, p. 1153, sec. 1</i>).....				\$4,000.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Clerks.....per annum..	\$900.00	1 (temp.)	2 (temp.)		
Watchmen.....do.....	720.00	1 (temp.)	2 (temp.)		
Wages:					
Temporary laborers.....{.....do.....}	480.00	--	4		
.....{per diem..}	2.00				
Salaries.....		\$495.00	\$656.00		
Wages.....			464.00		
Other objects of expenditure:					
Stationery.....		\$50.00	789.98		
Traveling expenses.....		25.00	---		
Equipment and material.....		2,000.00	1,548.54		
Telephone and telegraph service.....		280.00	265.61		
Miscellaneous items.....		440.00	392.05		
Total.....		4,000.00	4,096.18		
In all, for general expenses.....				\$417,075.00	\$291,515.00
Appropriations for 1909.....	\$240,000	Estimates for 1910.....	\$252,600		
Appropriations for 1910.....	197,360	Estimates for 1911.....	193,600		
Appropriations for 1911.....	193,600	Estimates for 1912.....	223,700		
Appropriations for 1912.....	213,740	Estimates for 1913.....	234,370		
Appropriations for 1913.....	250,880	Estimates for 1914.....	315,400		
Appropriations for 1914.....	290,400	Estimates for 1915.....	299,020		
Appropriations for 1915.....	299,815	Estimates for 1916.....	298,215		
Appropriations for 1916.....	265,515	Estimates for 1917.....	288,735		
Appropriations for 1917.....	433,735	Estimates for 1918.....	291,515		
Appropriations for 1918.....	291,515	Estimates for 1919.....	417,075		
(37) [That so much of the appropriation of \$175,000 made by the Agricultural appropriation act for the fiscal year 1917 for the investigation and demonstration within the United States to determine the best method of obtaining potash on a commercial scale, including the establishment and equipment of such plant or plants as may be necessary therefor, as remains unexpended is hereby reappropriated for the purposes named.]					
NOTE.—This item is omitted, as a new item providing for the continuance of the potash investigations is submitted above under general expenses. (See item 35.)					
Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).					
GENERAL EXPENSES—BUREAU OF SOILS.					
4 clerks, at \$900 per annum each.					
1 draftsman, \$900 per annum.					
Total for Bureau of Soils.....				491,235.00	363,735.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF ENTOMOLOGY.		
<i>Salaries, Bureau of Entomology—</i>		
(1) One entomologist, who shall be chief of bureau (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Apr. 23, 1904, vol. 33, p. 276, sec. 1; Mar. 4, 1917, vol. 39, pp. 1153, 1154, sec. 1</i>) -----	\$4, 500. 00	
(2) One chief clerk and executive assistant (<i>same acts</i>) -----	2, 250. 00	
(3) One administrative assistant (<i>same acts</i>) -----	2, 250. 00	
(4) One editor (by transfer from lump fund for miscellaneous insects) (<i>same acts</i>) -----	2, 250. 00	
(5) One financial clerk (<i>same acts</i>) -----	1, 800. 00	
(6) Four clerks, class 4 (increase of 1 by transfer from lump fund for miscellaneous insects) (<i>same acts</i>) -----	7, 200. 00	
(7) Six clerks, class 3 (increase of 2, 1 by transfer from lump fund for truck crop insects, and 1 new place in lieu of clerk dropped, as below) (<i>same acts</i>) -----	9, 600. 00	
NOTE.—See note under item 9.		
(8) Twelve clerks, class 2 (increase of 2, 1 by transfer from lump fund for truck crop insects, and 1 new place in lieu of clerk dropped, as below) (<i>same acts</i>) -----	16, 800. 00	
NOTE.—See note under item 9.		
(9) Fourteen clerks, class 1 (increase of 5, 3 by transfer from lump funds for cereal and forage insects, Mediterranean fruit fly, and administrative expenses, and 2 new places in lieu of clerks dropped, as below) (<i>same acts</i>) -----	16, 800. 00	
NOTE.—This change and those indicated under items 7 and 8 involve the substitution of 1 clerk, class 3, 1 clerk, class 2, and 2 clerks, class 1, in lieu of 3 clerks at \$1,000 each and 4 clerks at \$840 each, dropped, with a net decrease of \$960. It is becoming increasingly difficult to secure and retain competent clerical help at salaries as low as \$840 and \$1,000 per annum. While this change will result in a reduction of four in the number of clerks in the bureau, it is believed that the best interests of the bureau will be served, as it will be possible to employ more competent clerks at the higher salaries and to retain their services when once secured. The new positions, if allowed, will be filled by original appointments.		
(10) Eight clerks, at \$1,000 each (increase of 1 by transfer from lump fund for preventing spread of motas, and 3 places dropped, making a net decrease of 2) (<i>same acts</i>) -----	8, 000. 00	
NOTE.—See note under item 9.		
(11) Five clerks, at \$900 each (increase of 1 by transfer from lump fund for forest insects) (<i>same acts</i>) -----	4, 500. 00	
(12) Two clerks, at \$840 each (increase of 1 in lieu of 1 messenger or laborer, \$840, as below, and 4 dropped, making a net decrease of 3) (<i>same acts</i>) -----	1, 680. 00	
NOTE.—See note under item 9 in connection with 4 clerks, at \$840 each, dropped. The substitution of 1 clerk at \$840 in lieu of a messenger or laborer at that salary is merely a change of title. This employee is doing clerical work, and the Civil Service Commission has requested that his title be changed as herein proposed. (See item 21.)		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Entomology—Continued.</i>		
(13) Two entomological draftsmen, at \$1,400 each (<i>R. S., p. 87, secs. 520-523; acts Apr. 14, 1896, vol. 29, p. 100, sec. 1; Apr. 23, 1904, vol. 33, p. 276, sec. 1; Mar. 4, 1917, vol. 39, pp. 1153, 1154, sec. 1</i>)	\$2, 800. 00	
(14) One entomological draftsman (<i>same acts</i>)	1, 080. 00	
(15) Four foremen, at \$1,080 each (<i>same acts</i>)	4, 320. 00	
(16) One entomological preparator (<i>same acts</i>)	1, 000. 00	
(17) Four entomological preparators, at \$840 each (<i>same acts</i>)	3, 360. 00	
(18) Eight entomological preparators, at \$720 each (<i>same acts</i>)	5, 760. 00	
(19) Seven entomological preparators, at \$600 each (<i>same acts</i>)	4, 200. 00	
(20) Two messengers or laborers, at \$900 each (<i>same acts</i>)	1, 800. 00	
(21) One messenger or laborer (decrease of 1 by change to clerk, \$840, as above) (<i>same acts</i>)	840. 00	
NOTE.—See note under item 12.		
(22) Three messengers or laborers, at \$720 each (<i>same acts</i>)	2, 160. 00	
(23) Six messenger boys, at \$480 each (increase of 5, 4 in lieu of 4 messenger boys, at \$360 each, dropped, as below, and 1 new place) (<i>same acts</i>)	2, 880. 00	
NOTE.—Under present conditions it is impossible to secure and retain the services of competent and reliable messenger boys for duty in Washington, D. C., at \$360 per annum. It is proposed, therefore, to substitute 4 messenger boys at \$480 each, all of which places will be filled by original appointments, for a similar number at \$360. This change involves an increase of \$480. Provision is also made for one new place in this grade, which, if allowed, will make an aggregate increase of \$960 for the messenger service of the bureau. As this increase is offset by a corresponding decrease in the clerical grades above (see item 9), there is no actual increase in the total amount for statutory salaries in this bureau. The new place recommended will, if allowed, provide for a much needed increase in the messenger force and will be filled by original appointment.		
(24) One messenger boy (4 dropped) (<i>same acts</i>)	360. 00	
NOTE.—See note under item 23.		
(25) One mechanic (<i>same acts</i>)	1, 080. 00	
(26) One mechanic (<i>same acts</i>)	900. 00	
(27) One mechanic (<i>same acts</i>)	840. 00	
(28) One gardener (by transfer from lump fund for tropical and sub-tropical fruit insects) (<i>same acts</i>)	600. 00	
(29) One laborer (<i>same acts</i>)	600. 00	
(30) One laborer (<i>same acts</i>)	540. 00	
(31) One laborer (<i>same acts</i>)	480. 00	
(32) One laborer (<i>same acts</i>)	420. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																												
<i>General Expenses, Bureau of Entomology—Continued.</i>																																																																																														
electric current, in connection with the following investigations (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1</i>):																																																																																														
NOTE.—New language has been added to the introductory paragraph for general expenses, as indicated, in order to provide specific authority to demonstrate the results of the investigations and experiments conducted under the several general expense items of the bureau. This work will be carried on in close cooperation with the States Relations Service.																																																																																														
(36) For investigations of insects affecting deciduous fruits, orchards, vineyards, and nuts, \$83,380: <i>Provided</i> , That \$9,600 of said sum shall be available for the investigation of insects affecting the pecan and method of control of same (<i>same acts</i>)	\$83,380.00																																																																																													
<i>Deciduous fruit insects.</i>																																																																																														
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Entomologist in charge.....per annum..</td><td>\$3,500.00</td><td>1</td><td>1</td></tr><tr><td>Entomological assistants.....do....</td><td>2,250.00</td><td>2</td><td>2</td></tr><tr><td>Entomological assistants.....do....</td><td>2,000.00</td><td>3</td><td>4 (1 part time)</td></tr><tr><td>Entomological assistants.....do....</td><td>1,800.00</td><td>8 (1 part time)</td><td>7 (1 temp.)</td></tr><tr><td>Entomological assistants.....do....</td><td>1,600.00</td><td>2</td><td>4 (1 part time)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Scientific assistants.....do....</td><td>1,400.00</td><td>5</td><td>5</td></tr><tr><td>Scientific assistants.....do....</td><td>1,200.00</td><td>6</td><td>5</td></tr><tr><td>Insect delineator.....do....</td><td>1,400.00</td><td>1</td><td>1</td></tr><tr><td>Entomological preparator*.....do....</td><td>720.00</td><td>1</td><td>1</td></tr><tr><td>Field assistants, student assistants, and typewriters, \$900 to \$300.....do....</td><td></td><td>10 (temp.)</td><td>13 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborer.....do....</td><td>600.00</td><td>1</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$50,950.00</td><td>\$42,910.90</td></tr><tr><td>Wages.....</td><td></td><td></td><td>600.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>6,500.00</td><td>4,329.32</td></tr><tr><td>Equipment and material.....</td><td></td><td>4,000.00</td><td>1,791.09</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>12,330.00</td><td>8,991.43</td></tr><tr><td>Total.....</td><td></td><td>73,780.00</td><td>58,622.74</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Entomologist in charge.....per annum..	\$3,500.00	1	1	Entomological assistants.....do....	2,250.00	2	2	Entomological assistants.....do....	2,000.00	3	4 (1 part time)	Entomological assistants.....do....	1,800.00	8 (1 part time)	7 (1 temp.)	Entomological assistants.....do....	1,600.00	2	4 (1 part time)	Scientific assistants.....do....	1,800.00	1	1	Scientific assistants.....do....	1,600.00	1	1	Scientific assistants.....do....	1,400.00	5	5	Scientific assistants.....do....	1,200.00	6	5	Insect delineator.....do....	1,400.00	1	1	Entomological preparator*.....do....	720.00	1	1	Field assistants, student assistants, and typewriters, \$900 to \$300.....do....		10 (temp.)	13 (temp.)	Wages:				Temporary laborer.....do....	600.00	1	1	Salaries.....		\$50,950.00	\$42,910.90	Wages.....			600.00	Other objects of expenditure:				Traveling expenses.....		6,500.00	4,329.32	Equipment and material.....		4,000.00	1,791.09	Miscellaneous items.....		12,330.00	8,991.43	Total.....		73,780.00	58,622.74		
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* Transferred to statutory roll in Agricultural act for 1918.																																																																																														
<i>Pecan insects.</i>																																																																																														
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Entomology—Continued.</i>		
(37) For investigations of insects affecting cereal and forage crops, including a special investigation of the Hessian fly and the chinch bug [\$123,260] (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1</i>)	\$122,060.00	

NOTE.—There is an apparent decrease in this item of \$1,200, due to the transfer to the statutory roll of one clerk, class 1.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Entomologist in charge.....per annum..	\$2,500.00	1	1
Specialist in insect diseases.....do....	2,250.00	..	1(part time)
Entomological assistants.....do....	2,200.00	5	5
Entomological assistants.....do....	2,000.00	5	5
Entomological assistants.....do....	1,800.00	4(1 part time)	41(part time)
Entomological assistants.....do....	1,600.00	..	1(part time)
Entomological assistant.....do....	1,400.00	1	1
Scientific assistant.....do....	2,000.00	1	1
Scientific assistants.....do....	1,800.00	1	2
Scientific assistants.....do....	1,600.00	3	4
Scientific assistants.....do....	1,400.00	6	7
Scientific assistants.....do....	1,200.00	20 (1 new)	15
Scientific assistants.....do....	1,000.00	4	4 (1 temp.)
Specialist in insects affecting alfalfa.....do....	1,800.00	1 (temp.)	1 (temp.)
Field assistants.....do....	1,200.00	..	3 (temp.)
Clerk *.....do....	1,400.00	..	1
Clerk †.....do....	1,200.00	..	1
Clerk *.....do....	1,000.00	..	1
Clerks *.....do....	840.00	..	4
Field assistants, student assistants, collaborators, and clerks, \$900 to \$12.....do....		10 (9 temp.)	25 (24 temp.)
Wages:			
Laborer *.....do....	480.00	..	1
Temporary laborers, \$720 to \$129.....do....		7	8
Salaries.....		\$80,772.00	\$78,806.53
Wages.....		2,580.00	2,915.00
Other objects of expenditure:			
Traveling expenses.....		19,500.00	11,966.58
Equipment and material.....		2,000.00	4,063.78
Miscellaneous items.....		17,208.00	13,789.80
Total.....		122,060.00	111,541.69

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (38) For investigations of insects affecting southern field crops, including insects affecting cotton, tobacco, rice, sugar cane, and so forth, and the cigarette beetle and Argentine ant (*same acts*).. 89,400.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Entomologist in charge.....per annum..	\$3,500.00	1	1
Entomologist.....do....	2,750.00	1	1
Entomologist.....do....	2,500.00	1	1
Entomological assistants.....do....	2,000.00	2	4
Entomological assistants.....do....	1,800.00	3	3(1 part time)
Entomological assistant.....do....	1,600.00	..	1 (temp.)
Entomological assistants.....do....	1,400.00	1	2(1 part time)
Entomological assistant.....do....	1,200.00	1	1
Specialist.....do....	2,250.00	1	..
Specialist.....do....	1,800.00	1 (temp.)	1 (temp.)
Scientific assistant.....do....	1,800.00	1	1
Scientific assistants.....do....	1,600.00	2	2(1 part time)
Scientific assistants.....do....	1,400.00	2	3(1 part time)
Scientific assistants.....do....	1,200.00	4	4
Field assistants.....do....	1,500.00	1 (temp.)	2 (temp.)
Field assistant.....do....	1,200.00	1 (temp.)	..
Field assistant.....do....	1,020.00	..	1 (temp.)
Cotton entomologist.....do....	1,500.00	1	..
Cotton entomologists.....do....	1,200.00	3	2 (temp.)
Cotton entomologist.....do....	1,000.00	1	1
Clerks *.....do....	1,000.00	..	2
Clerks *.....do....	900.00	..	3
Entomological preparator *.....do....	720.00	..	1
Entomological assistants, field assistants, cotton entomologists, clerks, collaborators, and student assistants, \$900 to \$1.....do....		37 (31 temp.)	35 (30 temp.)

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Entomology—Continued.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Wages:		Number.	Number.
Laborer * per annum.....	\$420.00	2	3
Temporary laborers, \$320 to \$300.....do.....			
Salaries.....		\$50,935.00	\$39,595.78
Wages.....		660.00	660.00
Other objects of expenditure:			
Traveling expenses.....		15,000.00	9,240.27
Equipment and material.....		6,305.00	2,956.92
Miscellaneous items.....		16,500.00	11,536.94
Total.....		89,400.00	63,989.91

* Transferred to statutory roll in Agricultural act for 1918.

- (39) For investigations of insects affecting forests **[\$50,770]** (*acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1*) **\$49,870.00**

NOTE.—There is an apparent decrease in this item of \$900, due to the transfer of one clerk at \$900 to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Forest entomologist..... per annum.....	\$3,500.00	1	1
Entomological assistants.....do.....	2,200.00	2	2
Entomological assistants.....do.....	2,000.00	4	5
Entomological assistant.....do.....	1,800.00	1	1
Entomological assistants.....do.....	1,600.00	4	4
Entomological assistants.....do.....	1,400.00	2 (1 new)	2 (1 temp.)
Scientific assistants.....do.....	1,200.00	5 (1 new)	4 (1 temp.)
Expert.....do.....	2,000.00	1	1
Entomological rangers.....do.....	1,080.00	5	8 (2 temp.)
Clerk †.....do.....	900.00	..	1
Entomological preparator *.....do.....	720.00	..	2
Entomological preparator *.....do.....	600.00	..	1
Messenger boy *.....do.....	360.00	..	1
Collaborators, clerks, student assistants, field assistants, entomological preparators, and entomological rangers, \$500 to \$1.....do.....		7 (2 new)	13 (10 temp.)
Wages:			
Laborer *.....do.....	900.00	..	1
Temporary laborer *.....do.....	420.00	1	1
Salaries.....		\$40,936.00	\$40,776.51
Wages.....		420.00	545.50
Other objects of expenditure:			
Traveling expenses.....		4,260.00	4,240.34
Equipment and material.....		625.00	625.40
Miscellaneous items.....		3,629.00	4,068.44
Total.....		49,870.00	50,256.19

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (40) For investigations of insects affecting truck crops, including insects affecting the potato, sugar beet, cabbage, onion, tomato, beans, peas, and so forth, and insects affecting stored products **[\$47,760]** (*same acts*) **67,760.00**

NOTE.—There is an apparent increase in this item of \$20,000, but, taking into consideration the transfer to the statutory roll of one clerk, class 3, and one clerk, class 2, aggregating \$3,000, the actual increase is \$23,000. This additional sum will make possible thoroughgoing investigations of the life histories and habits of insects affecting stored products in granaries, mills, warehouses, households, etc., and the development of methods of control. The losses to grains and other food products in storage through insect depredations, particularly in the South, are frequently greater than the losses caused by insects to the growing crops, and undoubtedly amount to many millions of dollars annually. There is no doubt that a large proportion of this loss can be pre-

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Entomology—Continued.</i>					
<p>vented through the development of better methods of control and by the more general application of such methods as well as of methods of control already known. While some attention has been given to this subject for many years past, it seems desirable for the department to enlarge its work in this field so that it will be in a position to deal effectively with the problem.</p>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Entomologist in charge.....per annum.	\$3,590.00	1	1		
Entomologist in charge.....do....	2,750.00	1	1		
Entomological assistants.....do....	2,000.00	3	3		
Entomological assistant.....do....	1,800.00	1	1		
Expert.....do....	1,800.00	1	1		
Scientific assistants.....do....	1,800.00	3 (1 new)	2		
Scientific assistants.....do....	1,600.00	8 (5 new)	3		
Scientific assistants.....do....	1,400.00	9 (4 new)	6 (1 parttime)		
Scientific assistants.....do....	1,200.00	3	3		
Scientific assistant.....do....	1,000.00	1	..		
Clerk †.....do....	1,600.00	..	1		
Clerk *.....do....	900.00	..	1		
Field assistants, collaborators, student assistants, and entomological preparators, \$900 to \$12.....do....		12 (7 temp.)	31 (22 temp.)		
Wages:					
Temporary laborers.....do....	390.00	}	2		
.....per diem.....	3.50				
Salaries.....		\$51,118.00	\$33,395.74		
Wages.....			333.50		
Other objects of expenditure:					
Traveling expenses.....		5,052.00	2,978.82		
Equipment and material.....		2,000.00	1,139.61		
Miscellaneous items.....		6,590.00	4,431.61		
Total.....		67,760.00	42,277.28		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (41) For investigations and demonstrations in bee culture [\$20,000]
(acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1) \$35,000.00

NOTE.—There is an increase in the above subappropriation of \$15,000, which amount is needed in order to enlarge the extension work in beekeeping. This work was inaugurated in the Southern States in the fall of 1916 and is conducted in close cooperation with the States Relations Service. The results thus far obtained indicate clearly that it should be extended to other regions. While approximately 45 per cent of all the bees of the country are located in the 15 Southern States, this section produces only 20 per cent of the entire honey crop of the country. This poor showing is due largely to the fact that the majority of bees in the South are kept in box hives and logs, rendering proper manipulation impossible. At the suggestion of the bee specialists of the department a large number of beekeepers are adopting modern methods, with the result that a considerable increase in the amount of honey produced per colony has been secured. Although in most of the Northern and Western States a larger proportion of the beekeepers use better equipment than is used in the South, the honey crop is probably reduced 50 per cent through losses of colonies and reduction of strength due to poor wintering. The failure properly to control swarming is an additional source of great loss. It is believed possible to increase the present annual honey crop of 300,000,000 pounds by 100,000,000 pounds. Honey production results in great benefit in the pollination of fruit trees and other plants by bees and does not deplete the soil in the slightest degree. Honey is a concentrated food of great value and may be used in place of sugar to a considerable extent. It also is an excellent substitute for jams and jellies and has the further advantage of being nonperishable. If this increase is granted, it is planned to expend \$9,000 for the employment of six apicultural assistants at \$1,500 per annum each, the remaining \$6,000 to cover necessary traveling expenses.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Entomology—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agriculturist in charge.....per annum..	\$3,500.00	1	1		
Agricultural assistant.....do.....	2,500.00	1	1		
Agricultural assistant.....do.....	1,800.00	1	1 (part time)		
Agricultural assistant.....do.....	1,600.00	1	1		
Agricultural assistant.....do.....	1,540.00	1	1		
Agricultural assistants.....do.....	1,500.00	6 (new)	..		
Agricultural assistants.....do.....	1,400.00	2 (new)	..		
Agricultural assistant.....do.....	1,200.00	1	1		
Specialist.....do.....	1,800.00	1	1		
Specialist.....do.....	1,440.00	1	..		
Expert.....do.....	2,000.00	1	1		
Expert.....per month.....	225.00	..	1 (part time)		
Agent.....per annum.....	1,720.00	..	1 (temp.)		
Agent.....do.....	1,440.00	..	1		
Student assistants, clerks, and collaborators, \$600 to \$12.....do.....	..	4 (2 temp.)	6 (2 temp.)		
Wages:					
Temporary laborers—.....do.....	300.00	2	16		
.....per diem.....	1.75	..	1		
Salaries.....		\$24,688.00	\$13,908.61		
Wages.....		600.00	1,025.00		
Other objects of expenditure.					
Stationery.....		960.00	951.89		
Traveling expenses.....		7,090.00	1,674.02		
Equipment and material.....		1,030.00	1,039.48		
Miscellaneous items.....		722.00	1,313.14		
Total.....		35,000.00	19,903.14		
(42) For investigations of insects affecting tropical and subtropical fruits, including insects affecting the orange, lemon, grapefruit, mango, and so forth [\$17,100] (acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1)					
					\$16,500.00
NOTE.—There is an apparent decrease in this item of \$600, due to the transfer of one gardener at \$600 to the statutory roll.					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Entomologist and assistant chief of bureau.....per annum..	\$4,000.00	1 (part time)	1 (part time)		
Entomological assistant.....do.....	2,250.00	1	1		
Entomological assistant.....do.....	2,200.00	1	1		
Scientific assistant.....do.....	2,000.00	1	1		
Scientific assistant.....do.....	1,800.00	..	1 (part time)		
Scientific assistants.....do.....	1,600.00	4 (3 new)	3 (2 temp.)		
Scientific assistants.....do.....	1,400.00	1 (part time)	2 (1 part time and 1 temp.)		
Entomological preparator *.....do.....	840.00	..	1		
Student assistant and entomological preparator, \$600 and \$300.....do.....	2 (temp.)		
Wages:					
Laborers, \$720 and \$600 *.....do.....	2		
Laborer.....do.....	300.00	..	1 (temp.)		
Salaries.....		\$14,200.00	\$10,452.79		
Wages.....			1,620.00		
Other objects of expenditure:					
Traveling expenses.....		720.00	1,024.82		
Equipment and material.....		300.00	292.72		
Miscellaneous items.....		1,280.00	2,340.57		
Total.....		16,500.00	15,730.90		

* Transferred to statutory roll in Agricultural act for 1918

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																												
General Expenses, Bureau of Entomology—Continued.																																																																																																														
(43) For investigations and control, in cooperation with the Federal Horticultural Board, of the Mediterranean and other fruit flies 【\$33,200】 (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1</i>) -----	\$32,000.00																																																																																																													
NOTE.—There is an apparent decrease in this item of \$1,200, due to the transfer of one clerk, class 1, to the statutory roll.																																																																																																														
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr></thead><tbody><tr><td colspan="4">Salaries:</td></tr><tr><td>Entomologist and assistant chief of bureau.....per annum..</td><td>\$4,000.00</td><td><i>Number.</i> 1 (part time)</td><td><i>Number.</i> 1 (part time)</td></tr><tr><td>Entomologist.....do....</td><td>2,500.00</td><td>1</td><td>1 (part time)</td></tr><tr><td>Entomological assistant.....do....</td><td>2,000.00</td><td>1</td><td>1</td></tr><tr><td>Entomological assistant.....do....</td><td>1,600.00</td><td>1 (new)</td><td>..</td></tr><tr><td>Fruit-fly quarantine inspector.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Specialist in ants.....do....</td><td>1,800.00</td><td>1</td><td>..</td></tr><tr><td>Entomological inspector.....do....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Clerk, entomological preparator, and collaborator, \$900 to \$300.....do....</td><td></td><td>6 (temp.)</td><td>7 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$13,660.00</td><td>\$8,550.83</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>8,600.00</td><td>810.50</td></tr><tr><td>Equipment and material.....</td><td></td><td>500.00</td><td>359.02</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>9,300.00</td><td>4,741.74</td></tr><tr><td>Total.....</td><td></td><td>32,000.00</td><td>14,462.09</td></tr></tbody></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Entomologist and assistant chief of bureau.....per annum..	\$4,000.00	<i>Number.</i> 1 (part time)	<i>Number.</i> 1 (part time)	Entomologist.....do....	2,500.00	1	1 (part time)	Entomological assistant.....do....	2,000.00	1	1	Entomological assistant.....do....	1,600.00	1 (new)	..	Fruit-fly quarantine inspector.....do....	1,800.00	1	1	Specialist in ants.....do....	1,800.00	1	..	Entomological inspector.....do....	1,600.00	1	1	Clerk, entomological preparator, and collaborator, \$900 to \$300.....do....		6 (temp.)	7 (temp.)	Salaries.....		\$13,660.00	\$8,550.83	Other objects of expenditure:				Traveling expenses.....		8,600.00	810.50	Equipment and material.....		500.00	359.02	Miscellaneous items.....		9,300.00	4,741.74	Total.....		32,000.00	14,462.09																																														
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(44) For investigations, identification, and systematic classification of miscellaneous insects, including the study of insects affecting the health of man and domestic animals, household insects, and the importation and exchange of useful insects 【\$56,380】 (<i>same acts</i>) -----	52,330.00																																																																																																													
NOTE.—There is an apparent decrease in this item of \$4,050, due to the transfer of one editor at \$2,250 and one clerk, class 4, to the statutory roll.																																																																																																														
<table><thead><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr></thead><tbody><tr><td colspan="4">Salaries:</td></tr><tr><td>Entomologist.....per annum..</td><td>\$2,500.00</td><td><i>Number.</i> 2</td><td><i>Number.</i> 2</td></tr><tr><td>Entomological assistants.....do....</td><td>2,250.00</td><td>2</td><td>4 (1 temp.)</td></tr><tr><td>Entomological assistants.....do....</td><td>2,000.00</td><td>6</td><td>8 (1 part time and 1 temp.)</td></tr><tr><td>Entomological assistants.....do....</td><td>1,800.00</td><td>1</td><td>3 (1 part time and 1 temp.)</td></tr><tr><td>Entomological assistants.....do....</td><td>1,600.00</td><td>3</td><td>3 (1 part time)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,600.00</td><td>3</td><td>2 (1 part time)</td></tr><tr><td>Scientific assistants.....do....</td><td>1,400.00</td><td>1</td><td>3 (1 part time)</td></tr><tr><td>Field assistants.....do....</td><td>1,500.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Field assistants.....do....</td><td>1,000.00</td><td>2 (temp.)</td><td>2 (temp.)</td></tr><tr><td>Clerk *.....do....</td><td>1,600.00</td><td>..</td><td>1</td></tr><tr><td>Clerk *.....do....</td><td>1,400.00</td><td>..</td><td>1</td></tr><tr><td>Clerk *.....do....</td><td>1,000.00</td><td>..</td><td>1</td></tr><tr><td>Messenger *.....do....</td><td>900.00</td><td>..</td><td>1</td></tr><tr><td>Entomological preparator *.....do....</td><td>600.00</td><td>..</td><td>2</td></tr><tr><td>Expert.....per diem..</td><td>10.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Student assistants, collaborators, watchmen, and field assistants, \$900 to \$1.....per annum..</td><td></td><td>7 (1 temp.)</td><td>23 (16 temp.)</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Temporary laborers, \$35 and \$25.....per month..</td><td></td><td>..</td><td>2</td></tr><tr><td>Salaries.....</td><td></td><td>\$38,200.00</td><td>\$44,355.02</td></tr><tr><td>Wages.....</td><td></td><td></td><td>72.00</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Traveling expenses.....</td><td></td><td>4,400.00</td><td>4,635.50</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,150.00</td><td>1,255.12</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>8,480.00</td><td>7,060.37</td></tr><tr><td>Total.....</td><td></td><td>52,330.00</td><td>57,347.71</td></tr></tbody></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Entomologist.....per annum..	\$2,500.00	<i>Number.</i> 2	<i>Number.</i> 2	Entomological assistants.....do....	2,250.00	2	4 (1 temp.)	Entomological assistants.....do....	2,000.00	6	8 (1 part time and 1 temp.)	Entomological assistants.....do....	1,800.00	1	3 (1 part time and 1 temp.)	Entomological assistants.....do....	1,600.00	3	3 (1 part time)	Scientific assistants.....do....	1,600.00	3	2 (1 part time)	Scientific assistants.....do....	1,400.00	1	3 (1 part time)	Field assistants.....do....	1,500.00	1 (temp.)	1 (temp.)	Field assistants.....do....	1,000.00	2 (temp.)	2 (temp.)	Clerk *.....do....	1,600.00	..	1	Clerk *.....do....	1,400.00	..	1	Clerk *.....do....	1,000.00	..	1	Messenger *.....do....	900.00	..	1	Entomological preparator *.....do....	600.00	..	2	Expert.....per diem..	10.00	..	1 (temp.)	Student assistants, collaborators, watchmen, and field assistants, \$900 to \$1.....per annum..		7 (1 temp.)	23 (16 temp.)	Wages:				Temporary laborers, \$35 and \$25.....per month..		..	2	Salaries.....		\$38,200.00	\$44,355.02	Wages.....			72.00	Other objects of expenditure:				Traveling expenses.....		4,400.00	4,635.50	Equipment and material.....		1,150.00	1,255.12	Miscellaneous items.....		8,480.00	7,060.37	Total.....		52,330.00	57,347.71		
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* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
General Expenses, Bureau of Entomology—Continued.			
(45) For general administrative expenses connected with above lines of investigation, and for miscellaneous expenses incident thereto [\$3,000] (<i>acts June 16, 1880, vol. 21, p. 259, sec. 1; June 3, 1902, vol. 32, p. 298, sec. 1; Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; June 30, 1906, vol. 34, p. 688, sec. 1; Mar. 4, 1917, vol. 39, p. 1154, sec. 1</i>)		\$9, 000. 00	
<p>NOTE.—There is an apparent increase in this item of \$6,000; but taking into consideration the transfer of one clerk, class 1, to the statutory roll of this bureau, and two watchmen at \$720 each to the statutory roll of the Secretary's office, involving \$2,640, the actual increase is \$8,640.</p> <p>Of this amount, \$6,000 will be used to systematize the extension work in insect control, carried on in cooperation with the States Relations Service. The demand for cooperative work of this character has greatly increased, and it is desired to make available as promptly as possible existing knowledge of insect-control methods in the protection of crops.</p> <p>The balance of the increase (\$2,640) is made necessary by the normal growth of the administrative work of the bureau and will be used for the purchase of supplies, the employment of temporary labor, etc.</p>			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Entomologist in charge..... per annum..	\$2, 500. 00	1	1
Clerk *..... do.....	1, 200. 00	..	1
Watchman..... do.....	720. 00	..	1 (temp.)
Salaries.....		\$2, 500. 00	\$1, 109. 33
Other objects of expenditure:			
Stationery.....		500. 00	219. 14
Traveling expenses.....		1, 500. 00	264. 13
Equipment and material.....		2, 000. 00	835. 52
Miscellaneous items.....		2, 500. 00	527. 26
Total.....		9, 000. 00	2, 955. 38
* Recommended for transfer to statutory roll in estimates for 1919.			
In all, for general expenses.....		\$557, 300. 00	\$524,250.00
Appropriations for 1909.....	\$158, 800	Estimates for 1910.....	\$199, 800
Appropriations for 1910.....	198, 400	Estimates for 1911.....	197, 900
Appropriations for 1911.....	202, 900	Estimates for 1912.....	238, 110
Appropriations for 1912.....	256, 950	Estimates for 1913.....	258, 450
Appropriations for 1913.....	328, 750	Estimates for 1914.....	371, 000
Appropriations for 1914.....	381, 250	Estimates for 1915.....	447, 970
Appropriations for 1915.....	450, 370	Estimates for 1916.....	460, 370
Appropriations for 1916.....	450, 370	Estimates for 1917.....	446, 150
Appropriations for 1917.....	464, 650	Estimates for 1918.....	532, 150
Appropriations for 1918.....	524, 250	Estimates for 1919.....	557, 300
Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).			
GENERAL EXPENSES—BUREAU OF ENTOMOLOGY.			
1 clerk, at \$1,600 per annum.			
2 clerks, at \$1,400 per annum each.			
2 clerks, at \$1,200 per annum each.			
3 clerks, at \$1,000 per annum each.			
3 clerks, at \$900 per annum each.			
2 typewriters, at \$60 per month each.			
Preventing Spread of Moths, Bureau of Entomology—			
(46) To enable the Secretary of Agriculture to meet the emergency caused by the continued spread of the gypsy and brown tail moths by conducting such experiments as may be necessary to determine the best methods of controlling these insects; by introducing and establishing the parasites and natural enemies of these insects and colonizing them within the infested territory; by establishing and maintaining a quarantine against further spread in such manner as is provided by the general nursery-stock law, approved August twentieth, nineteen hundred and twelve, as amended, entitled "An Act to regulate the importation of nursery stock and other plants and plant products, to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																				
<p><i>Preventing Spread of Moths, Bureau of Entomology—Continued.</i></p> <p>and insect pests, to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes," in cooperation with the authorities of the different States concerned and with the several State experiment stations, including rent outside of the District of Columbia, the employment of labor in the city of Washington and elsewhere, [and for medical supplies and services and other assistance necessary for the immediate relief of foremen, scouts and laborers, and other employees injured while engaged in hazardous work under this item of appropriation,] and all other necessary expenses ["\$305,050"] (<i>acts Mar. 3, 1905, vol. 33, pp. 1269, 1270, secs. 1-3; Mar. 4, 1917, vol. 39, pp. 1154, 1155, sec. 1</i>)</p> <p>NOTE.—There is an apparent decrease in this item of \$1,000, due to the transfer of one clerk at \$1,000 to the statutory roll</p> <p>It is proposed to amend this paragraph by omitting the clause providing for medical supplies and service, and other assistance necessary for the immediate relief of injured employees. It is believed to be unnecessary to continue this language in view of the passage by Congress of the compensation act, approved September 6, 1916.</p> <p>The words "as amended" have been inserted following the date of the nursery-stock law so as to cover the amendment of March 4, 1913, as well as the amendment to section 8 of this law included in the agricultural act for the fiscal year 1918.</p>	\$304,050.00	\$305,050.00																																																																																																																																				
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<p>* Transferred to statutory roll in Agricultural Act for 1918.</p> <table><tr><td>Appropriation for 1909.....</td><td>\$250,000</td><td>Estimate for 1910.....</td><td>\$300,000</td></tr><tr><td>Appropriation for 1910.....</td><td>300,000</td><td>Estimate for 1911.....</td><td>300,000</td></tr><tr><td>Appropriation for 1911.....</td><td>300,000</td><td>Estimate for 1912.....</td><td>284,840</td></tr><tr><td>Appropriation for 1912.....</td><td>284,840</td><td>Estimate for 1913.....</td><td>284,840</td></tr><tr><td>Appropriation for 1913.....</td><td>284,840</td><td>Estimate for 1914.....</td><td>300,000</td></tr><tr><td>Appropriation for 1914.....</td><td>300,000</td><td>Estimate for 1915.....</td><td>297,540</td></tr><tr><td>Appropriation for 1915.....</td><td>310,000</td><td>Estimate for 1916.....</td><td>310,000</td></tr><tr><td>Appropriation for 1916.....</td><td>310,000</td><td>Estimate for 1917.....</td><td>305,050</td></tr><tr><td>Appropriation for 1917.....</td><td>305,050</td><td>Estimate for 1918.....</td><td>305,050</td></tr><tr><td>Appropriation for 1918.....</td><td>305,050</td><td>Estimate for 1919.....</td><td>304,050</td></tr></table>	Appropriation for 1909.....	\$250,000	Estimate for 1910.....	\$300,000	Appropriation for 1910.....	300,000	Estimate for 1911.....	300,000	Appropriation for 1911.....	300,000	Estimate for 1912.....	284,840	Appropriation for 1912.....	284,840	Estimate for 1913.....	284,840	Appropriation for 1913.....	284,840	Estimate for 1914.....	300,000	Appropriation for 1914.....	300,000	Estimate for 1915.....	297,540	Appropriation for 1915.....	310,000	Estimate for 1916.....	310,000	Appropriation for 1916.....	310,000	Estimate for 1917.....	305,050	Appropriation for 1917.....	305,050	Estimate for 1918.....	305,050	Appropriation for 1918.....	305,050	Estimate for 1919.....	304,050																																																																																														
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Total for Bureau of Entomology.....	976,680.00	931,480.00																																																																																																																																				

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF BIOLOGICAL SURVEY.			
<i>Salaries, Bureau of Biological Survey—</i>			
(1) One biologist, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; acts Mar. 3, 1905, vol. 33, p. 877, sec. 1; Mar. 4, 1917, vol. 39, p. 1155, sec. 1</i>)	\$3, 500. 00		
(2) One chief clerk and executive assistant (<i>same acts</i>)	1, 800. 00		
(3) One administrative assistant (<i>same acts</i>)	2, 250. 00		
(4) One executive assistant (by transfer from lump fund for administrative expenses) (<i>same acts</i>)	1, 890. 00		
(5) One financial clerk (<i>same acts</i>)	1, 600. 00		
(6) Three clerks, class 3 (<i>same acts</i>)	4, 800. 00		
(7) Five clerks, class 2 (<i>same acts</i>)	7, 000. 00		
(8) One clerk (<i>same acts</i>)	1, 260. 00		
(9) Six clerks, class 1 (<i>same acts</i>)	7, 200. 00		
(10) One clerk (<i>same acts</i>)	1, 080. 00		
(11) Three clerks, at \$1,000 each (<i>same acts</i>)	3, 000. 00		
(12) Four clerks, at \$900 each (<i>same acts</i>)	3, 600. 00		
(13) One clerk (<i>same acts</i>)	840. 00		
(14) One clerk (<i>same acts</i>)	720. 00		
(15) One preparator (<i>same acts</i>)	1, 200. 00		
(16) One preparator (<i>same acts</i>)	900. 00		
(17) One messenger (<i>same acts</i>)	720. 00		
(18) One photographer (<i>same acts</i>)	1, 300. 00		
(19) One game warden (<i>same acts</i>)	1, 200. 00		
(20) Two messengers, messenger boys, or laborers, at \$480 each (<i>same acts</i>)	960. 00		
(21) One messenger boy (<i>same acts</i>)	360. 00		
(22) One laborer (<i>same acts</i>)	600. 00		
(23) Two charwomen, at \$240 each (<i>same acts</i>)	480. 00		
		\$48, 260. 00	\$46, 370. 00
Appropriations for 1909.....	\$7, 580	Estimates for 1910.....	\$13, 000
Appropriations for 1910.....	13, 000	Estimates for 1911.....	15, 400
Appropriations for 1911.....	15, 400	Estimates for 1912.....	25, 100
Appropriations for 1912.....	24, 000	Estimates for 1913.....	25, 100
Appropriations for 1913.....	25, 100	Estimates for 1914.....	30, 040
Appropriations for 1914.....	29, 990	Estimates for 1915.....	31, 590
Appropriations for 1915.....	32, 790	Estimates for 1916.....	34, 470
Appropriations for 1916.....	34, 470	Estimates for 1917.....	44, 030
Appropriations for 1917.....	44, 030	Estimates for 1918.....	47, 770
Appropriations for 1918.....	46, 370	Estimates for 1919.....	48, 260

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																												
<i>Salaries, Bureau of Biological Survey—Continued.</i>																																																														
NOTE.—Apparent increase, \$1,890; no actual increase, as follows:																																																														
<i>Transfer from lump fund of this bureau, which fund has been correspondingly reduced.</i>																																																														
1 executive assistant, from administrative expenses.....	\$1, 890																																																													
<i>General Expenses, Bureau of Biological Survey—</i>																																																														
(24) For salaries and employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling, and all other expenses necessary in conducting investigations and carrying out the work of the bureau, as follows (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1; Mar. 4, 1917, vol. 39, pp. 1155, 1156, sec. 1</i>):																																																														
(25) For the enforcement of sections two hundred and forty-one, two hundred and forty-two, two hundred and forty-three, and two hundred and forty-four of the Act approved March fourth, nineteen hundred and nine, entitled "An Act to codify, revise, and amend the penal laws of the United States," and for the enforcement of section one of the Act approved May twenty-fifth, nineteen hundred, entitled "An Act to enlarge the powers of the Department of Agriculture, prohibit the transportation by interstate commerce of game killed in violation of local laws, and for other purposes," including all necessary investigations in connection therewith (<i>same acts</i>).....	\$22, 000. 00																																																													
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant.....per annum.....</td><td>\$3, 250. 00</td><td>1 (part time)</td><td>1 (part time)</td></tr><tr><td>Assistant.....do.....</td><td>2, 500. 00</td><td>1</td><td>1</td></tr><tr><td>Assistant.....do.....</td><td>1, 600. 00</td><td>1 (part time)</td><td>1</td></tr><tr><td>Inspector.....do.....</td><td>1, 800. 00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Inspector.....do.....</td><td>1, 680. 00</td><td>1</td><td>1</td></tr><tr><td>Inspectors.....do.....</td><td>1, 500. 00</td><td>4</td><td>5 (1 temp.)</td></tr><tr><td>Collaborator and inspectors, \$600 to \$12.....do.....</td><td>1, 500. 00</td><td>7</td><td>10</td></tr><tr><td>Salaries.....</td><td></td><td>\$13, 200. 00</td><td>\$8, 212. 66</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>8, 000. 00</td><td>4, 286. 06</td></tr><tr><td>Equipment and material.....</td><td></td><td>500. 00</td><td>363. 39</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>300. 00</td><td>381. 93</td></tr><tr><td>Total.....</td><td></td><td>22, 000. 00</td><td>13, 244. 04</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant.....per annum.....	\$3, 250. 00	1 (part time)	1 (part time)	Assistant.....do.....	2, 500. 00	1	1	Assistant.....do.....	1, 600. 00	1 (part time)	1	Inspector.....do.....	1, 800. 00	1	1 (temp.)	Inspector.....do.....	1, 680. 00	1	1	Inspectors.....do.....	1, 500. 00	4	5 (1 temp.)	Collaborator and inspectors, \$600 to \$12.....do.....	1, 500. 00	7	10	Salaries.....		\$13, 200. 00	\$8, 212. 66	Other objects of expenditure:				Traveling expenses.....		8, 000. 00	4, 286. 06	Equipment and material.....		500. 00	363. 39	Miscellaneous items.....		300. 00	381. 93	Total.....		22, 000. 00	13, 244. 04		
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Total.....		22, 000. 00	13, 244. 04																																																											
(26) For the maintenance of the Montana National Bison Range and other reservations and for the maintenance of game introduced into suitable localities on public lands, under supervision of the Biological Survey, including construction of fencing, wardens' quarters, shelters for animals, landings, roads, trails, bridges, ditches, telephone lines, rockwork, bulkheads, and other improvements necessary for the economical administration and protection of the reservations, and for the enforcement of section eighty-four of the Act approved March fourth, nineteen hundred and nine, entitled "An act to codify, revise, and amend the penal laws of the United States," \$35,000, of which sum \$2,500 may be used for the purchase, capture, and transportation of game for national reservations (<i>same acts</i>).....	35, 000. 00																																																													

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																								
<i>General Expenses, Bureau of Biological Survey—Continued.</i>																																																																																										
<i>Maintenance of mammal and bird reservations.</i>																																																																																										
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<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Reservation inspector.....per annum..</td><td>\$1,500.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Miscellaneous temporary labor, \$6 to \$3. per diem..</td><td></td><td>..</td><td>4</td></tr><tr><td>Salaries.....</td><td></td><td>\$300.00</td><td>\$45.83</td></tr><tr><td>Wages.....</td><td></td><td></td><td>38.50</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>1,000.00</td><td>261.63</td></tr><tr><td>Equipment and material.....</td><td></td><td>700.00</td><td>..</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>500.00</td><td>602.16</td></tr><tr><td>Total.....</td><td></td><td>2,500.00</td><td>948.12</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Reservation inspector.....per annum..	\$1,500.00	1 (temp.)	1 (temp.)	Wages:				Miscellaneous temporary labor, \$6 to \$3. per diem..		..	4	Salaries.....		\$300.00	\$45.83	Wages.....			38.50	Other objects of expenditure:				Traveling expenses.....		1,000.00	261.63	Equipment and material.....		700.00	..	Miscellaneous items.....		500.00	602.16	Total.....		2,500.00	948.12																																										
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Total.....		2,500.00	948.12																																																																																							
(27) ■ For the maintenance and improvement of the game preserve in Sullys Hill National Park, in the State of North Dakota, including the construction of all fences, sheds, buildings, corrals, roads, and other structures which may be necessary, in addition to the amount heretofore appropriated, \$5,000, the same to be available until expended. ■																																																																																										
NOTE.—It is proposed to omit the item for maintenance of the Sullys Hill game preserve. When the present appropriation is exhausted the preserve will be maintained from the general fund for maintenance of reservations.																																																																																										

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Biological Survey—Continued.</i>		
(28) For investigating the food habits of North American birds and mammals in relation to agriculture, horticulture, and forestry, including experiments and demonstrations in destroying wolves, coyotes, prairie dogs, and other animals injurious to agriculture and animal husbandry, and for investigations and experiments in connection with rearing of fur-bearing animals, including mink and marten, [\$395,540] \$394,820: <i>Provided</i> , That of this sum \$15,000 shall be used for the destruction of ground squirrels on the national forests, and other public lands: <i>And provided also</i> , That of this sum not less than \$125,000 shall be used on the national forests and the public domain in destroying wolves, coyotes, and other animals injurious to agriculture, animal husbandry, and wild game: <i>And provided further</i> , That of this sum not more than \$125,000 shall be used on the public lands, national forests, and elsewhere in the Western and Northwestern States for the protection of stock and other domestic animals through the suppression of rabies by the destruction of wolves, coyotes, and other predatory wild animals (<i>acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1; Mar. 4, 1917, vol. 39, pp. 1155, 1156, sec. 1</i>) -----	\$394, 820. 00	

NOTE.—There is an apparent decrease in this item of \$720, due to the transfer of one watchman at \$720 to the statutory roll of the Secretary's office.

Food habits of birds and mammals.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant biologist.....per annum.....	\$3, 250. 00	1	1
Assistant biologists.....do.....	2, 400. 00	1	2 (1 temp.)
Assistant biologist.....do.....	2, 250. 00	1	1
Assistant biologist.....do.....	2, 200. 00	1	1
Assistant biologists.....do.....	2, 000. 00	1	2
Assistant biologists.....do.....	1, 800. 00	2	2
Assistant biologists.....do.....	1, 600. 00	2	2
Assistant biologists.....do.....	1, 200. 00	2	2
Biological assistant.....do.....	1, 620. 00	1	1
Biological assistants.....do.....	1, 400. 00	6	6
Biological assistants.....do.....	1, 200. 00	1	2 (1 temp.)
Biological assistant.....do.....	1, 100. 00	1	1
Biological assistants.....do.....	1, 000. 00	6	6
Predatory animal inspector.....do.....	1, 400. 00	1	1
Field assistant.....do.....	1, 400. 00	1	...
Field assistant.....do.....	1, 200. 00	...	1 (temp.)
Technical assistant.....do.....	1, 200. 00	1	...
Assistant in economic ornithology.....do.....	1, 080. 00	...	1 (temp.)
Fur farm keeper.....do.....	1, 000. 00	1	1
Clerk.....do.....	1, 400. 00	...	1 (temp.)
Clerk.....do.....	1, 200. 00	...	1 (temp.)
Assistants, preparator, clerks, and messenger boy, \$900 to \$360.....do.....		1	9 (8 temp.)
Wages:			
Temporary laborers (hunters, trappers, etc.), including horses, wagons, and equipment, \$170 to \$60. per month.....		225	229
Salaries.....		\$45, 820. 00	\$38, 722. 13
Wages.....		40, 000. 00	43, 111. 43
Other objects of expenditure:			
Traveling expenses.....		15, 000. 00	15, 567. 74
Equipment and material.....		25, 000. 00	2, 942. 87
Miscellaneous items.....		4, 000. 00	31, 470. 90
Total.....		129, 820. 00	131, 815. 07

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Biological Survey—Continued.</i>					
<i>Exterminating ground squirrels on national forests and public lands.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Biological assistant.....per annum..	\$1,500.00	..	1 (temp.)		
Biological assistant.....do....	1,200.00	1	1		
Wages:					
Temporary laborers (hunters, trappers, etc.), including horses, teams, and equipment, \$170 to \$60.....per month..		50	42		
Salaries.....		\$1,200.00	\$531.66		
Wages.....		11,000.00	8,779.38		
Other objects of expenditure:					
Traveling expenses.....		1,000.00	690.38		
Equipment and material.....		1,500.00	45.05		
Miscellaneous items.....		300.00	3,944.32		
Total.....		15,000.00	13,990.79		
<i>Destroying noxious animals on national forests and public domain.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Assistant biologist.....per annum..	\$2,250.00	1 (part time)	1 (part time)		
Inspectors.....do....	1,620.00	2 (part time)	2 (part time)		
Inspector.....do....	1,400.00	1	1		
Inspector.....do....	1,500.00	1	1		
Inspector.....do....	1,440.00	1 (part time)	1 (part time)		
Inspectors.....do....	1,200.00	2	2		
Inspectors.....do....	1,400.00	2	4		
Inspectors.....do....	1,200.00	2	2		
Inspectors.....do....	900.00	1	2		
Wages:					
Temporary laborers (hunters, trappers, etc.), including horses and equipment, \$225 to \$20.....per month..		250	237		
Salaries.....		\$11,450.00	\$13,189.35		
Wages.....		95,000.00	89,067.09		
Other objects of expenditure:					
Traveling expenses.....		7,500.00	8,844.53		
Equipment and material.....		8,000.00	497.75		
Miscellaneous items.....		3,050.00	9,046.36		
Total.....		125,000.00	120,645.08		
<i>Suppressing spread of rabies in predatory wild animals.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Assistant biologist.....per annum..	\$2,250.00	1 (part time)	1 (part time)		
Biological assistant.....do....	1,500.00	1	1		
Biological assistant.....do....	1,400.00	1	1		
Biological assistants.....do....	1,200.00	..	2		
Biological assistant.....do....	900.00	1	1		
Inspectors.....do....	1,620.00	2 (part time)	2 (part time)		
Inspector.....do....	1,400.00	1 (part time)	1 (part time)		
Inspector.....do....	1,440.00	1 (part time)	1 (part time)		
Inspectors.....do....	1,200.00	..	2		
Inspectors.....do....	1,400.00	..	2		
Inspectors.....do....	1,200.00	..	2		
Wages:					
Temporary laborers, including horses and equipment, \$115 to \$75.....per month..		250	198		
Salaries.....		\$8,500.00	\$6,256.80		
Wages.....		98,000.00	104,131.18		
Other objects of expenditure:					
Traveling expenses.....		7,500.00	3,966.16		
Miscellaneous items.....		11,000.00	6,886.95		
Total.....		125,000.00	121,244.09		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Biological Survey—Continued.

- (29) For biological investigations, including the relations, habits, geographic distribution, and migrations of animals and plants, and the preparation of maps of the life zones (*acts May 25, 1900, vol. 31, p. 187, sec. 1; Mar. 4, 1909, vol. 35, pp. 1104, 1137, and 1138, sec. 1; Mar. 4, 1913, vol. 37, pp. 847, 848, sec. 1; Mar. 4, 1917, vol. 39, pp. 1155, 1156, sec. 1*)----- \$25,600.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chief field naturalist.....per annum..	\$3,000.00	1	1
Assistant biologists.....do.....	2,400.00	2	2
Assistant biologist.....do.....	2,200.00	1	1
Assistant biologist.....do.....	2,000.00	2	2
Assistant biologist.....do.....	1,600.00	1	1
Assistant biologist.....do.....	1,400.00	..	1 (temp.)
Preparator.....do.....	1,200.00	1	1
Preparator.....do.....	1,080.00	..	1 (temp.)
Field assistants.....do.....	1,200.00	4 (temp.)	3 (temp.)
Clerk*.....do.....	900.00	..	1
Assistant biologist, student assistants and field assistants, \$900 to \$12.....do.....		8 (1 temp.)	19 (15 temp.)
Wages:			
Miscellaneous temporary labor, \$5 to \$0.75.....per diem.....			9
Salaries.....		\$19,100.00	\$18,671.50
Wages.....			548.59
Other objects of expenditure:			
Traveling expenses.....		4,500.00	3,600.72
Equipment and material.....		1,100.00	253.10
Miscellaneous items.....		900.00	2,647.34
Total.....		25,600.00	25,721.25

*Transferred to statutory roll in Agricultural act for 1918.

- (30) For all necessary expenses for enforcing the provisions of the Act approved March fourth, nineteen hundred and thirteen (Thirty-seventh Statutes at Large, pages eight hundred and forty-seven and eight hundred and forty-eight), relating to the protection of migratory game and insectivorous birds, and for cooperation with local authorities in the protection of migratory birds, and for necessary investigations connected therewith (*same acts*)-- 50,000.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant.....per annum..	\$3,000.00	1	1
Assistant.....do.....	2,500.00	1	1
Assistant biologist.....do.....	2,000.00	1	1
Assistant biologist.....do.....	1,400.00	1	1
District inspectors.....do.....	1,500.00	16	16
Field assistants.....do.....	1,200.00	3 (temp.)	..
Field assistant.....per diem..	11.00	..	1 (temp.)
Wardens and game protectors, \$12 to \$1.....per annum.....		225	224
Clerk.....do.....	1,200.00	..	1 (temp.)
Wages:			
Miscellaneous temporary labor, \$5 to \$1.....per diem.....		..	44
Salaries.....		\$33,325.00	\$33,427.72
Wages.....			1,617.10
Other objects of expenditure:			
Traveling expenses.....		15,325.00	12,634.38
Miscellaneous items.....		1,350.00	1,121.70
Total.....		50,000.00	48,800.90

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
General Expenses, Bureau of Biological Survey—Continued.					
(31) For general administrative expenses connected with the above-mentioned lines of work, including cooperation with other Federal bureaus, departments, boards, and commissions, on request from them ["\$12,560"] (<i>same acts</i>)-----				\$10, 670. 00	
NOTE.—There is an apparent decrease in this item of \$1,890, due to the transfer of one executive assistant at \$1,890 to the statutory roll.					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Assistant chief.....per annum..	\$3, 250.00	1	1		
Expert in game conservation.....do....	3, 250.00	1 (part time.)	1 (part time.)		
Consulting biologists, \$10 and \$8.....per diem..	-----	2 (temp.)	1 (temp.)		
Cooperative agent.....per annum..	1, 200.00	..	1 (temp.)		
Clerk.....do....	1, 600.00	..	1 (temp.)		
Clerk.....do....	1, 260.00	..	1 (temp.)		
Clerks.....do....	1, 200.00	..	2 (temp.)		
Charwoman *.....do....	240.00	..	1		
Clerks, watchmen, and student assistants, \$900 to \$300.....do....	-----	2 (temp.)	6 (4 temp.)		
Wages:					
Painter.....per diem..	3. 50	..	1 (temp.)		
Salaries.....	-----	\$7, 480. 00	\$8, 785. 87		
Wages.....	-----		105. 00		
Other objects of expenditure:					
Stationery.....	-----	300. 00	325. 32		
Traveling expenses.....	-----	1, 300. 00	117. 60		
Equipment and material.....	-----	770. 00	1, 440. 92		
Telegraph and telephone service.....	-----	220. 00	135. 79		
Miscellaneous items.....	-----	600. 00	514. 19		
Total.....	-----	10, 670. 00	11, 424. 69		
*Transferred to statutory roll in Agricultural act for 1918.					
In all, for general expenses -----				\$538,090.00	\$545,700.00
Appropriations for 1909.....	\$54, 420	Estimates for 1910.....	\$90, 170		
Appropriations for 1910.....	74, 420	Estimates for 1911.....	71, 520		
Deficiency act.....	7, 700				
Appropriations for 1911.....	71, 520	Estimates for 1912.....	101, 000		
Appropriations for 1912.....	115, 700	Estimates for 1913.....	108, 300		
Appropriations for 1913.....	166, 300	Estimates for 1914.....	143, 000		
Appropriations for 1914.....	141, 000	Estimates for 1915.....	233, 500		
Appropriations for 1915.....	248, 500	Estimates for 1916.....	236, 820		
Appropriations for 1916.....	411, 820	Estimates for 1917.....	449, 880		
Deficiency act.....	75, 000				
Appropriations for 1917.....	534, 200	Estimates for 1918.....	613, 140		
Appropriations for 1918.....	545, 700	Estimates for 1919.....	538, 090		
Statement of clerks employed in the District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).					
GENERAL EXPENSES—BUREAU OF BIOLOGICAL SURVEY.					
3 clerks, at \$1,200 per annum each.					
2 clerks, at \$900 per annum each.					
1 clerk, \$840 per annum.					
Total for Bureau of Biological Survey -----				586, 350.00	592, 070. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
DIVISION OF ACCOUNTS AND DISBURSEMENTS.		
Salaries, Division of Accounts and Disbursements—		
(1) One chief of division and disbursing clerk (<i>R. S., p. 87, secs. 520–523; act Mar. 4, 1917, vol. 39, p. 1156, sec. 1</i>) -----	\$4,000.00	
(2) One supervising auditor (<i>same acts</i>) -----	2,250.00	
(3) One cashier and chief clerk (<i>same acts</i>) -----	2,250.00	
(4) One deputy disbursing clerk (<i>same acts</i>) -----	2,000.00	
(5) One accountant and bookkeeper (<i>same acts</i>) -----	2,000.00	
(6) Two clerks, class 4 (<i>same acts</i>) -----	3,600.00	
(7) Four clerks, class 3 (<i>same acts</i>) -----	6,400.00	
(8) Six clerks, class 2 (<i>same acts</i>) -----	8,400.00	
(9) Five clerks, class 1 (<i>same acts</i>) -----	6,000.00	
(10) Four clerks, at \$1,000 each (<i>same acts</i>) -----	4,000.00	
(11) Three clerks, at \$900 each (<i>same acts</i>) -----	2,700.00	
(12) One messenger (<i>same acts</i>) -----	720.00	
(13) One messenger or messenger boy (<i>same acts</i>) -----	600.00	
Appropriations for 1909..... \$46,690	Estimates for 1910..... \$56,090	
Appropriations for 1910..... 61,490	Estimates for 1911..... 61,490	
Appropriations for 1911..... 79,990	Estimates for 1912..... 98,470	
Appropriations for 1912..... 97,520	Estimates for 1913..... 104,620	
Appropriations for 1913..... 104,620	Estimates for 1914..... 104,170	
Appropriations for 1914..... 104,370	Estimates for 1915..... 59,920	
Appropriations for 1915..... 46,320	Estimates for 1916..... 44,920	
Appropriations for 1916..... 44,920	Estimates for 1917..... 44,920	
Appropriations for 1917..... 44,920	Estimates for 1918..... 44,720	
Appropriations for 1918..... 44,920	Estimates for 1919..... 44,920	
Total for Division of Accounts and Disbursements -----	\$44,920.00	\$44,920.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
DIVISION OF PUBLICATIONS.		
<i>Salaries, Division of Publications—</i>		
(1) One [editor, who shall be] chief of division (change of title) (<i>R. S., p. 87, secs. 520-523; acts Mar. 1, 1899, vol. 30, p. 948, sec. 1; Mar. 4, 1917, vol. 39, pp. 1156, 1157, sec. 1</i>).....	\$3, 500. 00	
NOTE.—This change in title and that proposed under item 2 are recommended for the reason that the chief and assistant chief of the Division of Publications are not charged with responsibility for the editorial work, but are the administrative officers having supervision of the work involved in the actual printing and distribution of publications and the miscellaneous printing of the department. All the editorial work of the department is being done by an assistant in the Office of the Secretary working under the direct supervision of one of the Assistant Secretaries.		
(2) One [editor, who shall be] assistant chief of division (change of title) (<i>same acts</i>)	2, 500. 00	
NOTE.—See note under item 1.		
(3) One chief clerk (<i>same acts</i>)	2, 000. 00	
(4) One assistant [editor] (change of title and decrease of 1 by transfer to statutory roll, Secretary's Office) (<i>same acts</i>)	2, 000. 00	
NOTE.—This transfer and those proposed under items 5 and 6 are recommended for the reason that all the editorial work of the department is now done by an assistant in the Office of the Secretary working under the direct supervision of one of the Assistant Secretaries. The employees occupying the positions to be transferred have been detailed to the Office of the Secretary for several months past. The title of the remaining position is changed from "assistant editor" to "assistant," as the employee occupying this place does no editorial work.		
(5) [Four assistant editors, at \$1,800 each, transferred to statutory roll, Secretary's office.]		
NOTE.—See note under item 4.		
(6) [One assistant editor, \$1,600, transferred to statutory roll, Secretary's office.]		
NOTE.—See note under item 4.		
(7) One assistant [editor] (change of title) (<i>same acts</i>)	1, 400. 00	
NOTE.—The employees occupying this place and the one following do no editorial work. The change in designation will better express the character of the work performed. (See note under item 4.)		
(8) One assistant [editor] in charge of indexing (change of title) (<i>same acts</i>)	2, 000. 00	
NOTE.—See note under item 7.		
(9) One indexer (<i>same acts</i>)	1, 400. 00	
(10) One assistant in charge of illustrations (<i>same acts</i>)	2, 100. 00	
(11) Two draftsmen or photographers, at \$1,600 each (<i>same acts</i>)	3, 200. 00	
(12) Two draftsmen or photographers, at \$1,500 each (<i>same acts</i>)	3, 000. 00	
(13) Three draftsmen or photographers, at \$1,400 each (<i>same acts</i>)	4, 200. 00	



Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Division of Publications—Continued.</i>		
(14) One draftsman or photographer (<i>R. S., p. 87, secs. 520-523; acts Mar. 1, 1899, vol. 30, p. 948, sec. 1; Mar. 4, 1917, vol. 39, pp. 1156, 1157, sec. 1</i>)	\$1,300. 00	
(15) Ten draftsmen or photographers, at \$1,200 each (increase of 2 submitted) (<i>same acts</i>)	12,000. 00	
NOTE.—The drafting work of the division is two months in arrears, due to the unusual demand for new drawings and diagrams, circulars of information, charts for lecturers and demonstrators, etc. With the assistance of two additional draftsmen it is believed that the work can be brought up to date and accumulations hereafter avoided. These new places, if allowed, will be filled by original appointments.		
(16) One assistant photographer (<i>same acts</i>)	900. 00	
(17) One lantern slide colorist (<i>same acts</i>)	840. 00	
(18) One laboratory aid (<i>submitted</i>)	720. 00	
NOTE.—The services of a laboratory aid are urgently needed in the motion-picture laboratory, where the work has greatly increased.		
(19) One assistant in charge of document section (<i>R. S., p. 87, secs. 520-523; acts Mar. 1, 1899, vol. 30, p. 948, sec. 1; Mar. 4, 1917, vol. 39, pp. 1156, 1157, sec. 1</i>)	2,000. 00	
(20) One assistant in document section (<i>same acts</i>)	1,800. 00	
(21) One assistant in document section (<i>same acts</i>)	1,400. 00	
(22) One foreman, miscellaneous distribution (<i>same acts</i>)	1,500. 00	
(23) One clerk, class 3 (<i>same acts</i>)	1,600. 00	
(24) One clerk, class 2 (<i>same acts</i>)	1,400. 00	
(25) Eleven clerks, class 1 (<i>same acts</i>)	13,200. 00	
(26) Sixteen clerks, at \$1,000 each (<i>same acts</i>)	16,000. 00	
(27) Forty clerks, at \$900 each (<i>same acts</i>)	36,000. 00	
(28) Twenty-one clerks, at \$840 each (increase of 3 submitted) (<i>same acts</i>)	17,640. 00	
NOTE.—The present clerical force of the Division of Publications is insufficient properly to handle and keep up to date the greatly increased volume of typewriting and other clerical routine work devolving upon it. The three additional places, if allowed, will be filled by original appointments.		
(29) Two skilled laborers, at \$900 each (<i>same acts</i>)	1,800. 00	
(30) Seven skilled laborers, at \$840 each (<i>same acts</i>)	5,880. 00	
(31) Four skilled laborers, at \$780 each (<i>same acts</i>)	3,120. 00	
(32) One chief folder (<i>same acts</i>)	1,200. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Division of Publications—Continued.</i>		
(33) Twenty skilled laborers, messengers, or messenger boys, at \$720 each (increase of 3 submitted) (<i>R. S., p. 87, secs. 520-523; acts Mar. 1, 1899, vol. 30, p. 948, sec. 1; Mar. 4, 1917, vol. 39, pp. 1156, 1157, sec. 1</i>)	\$14,400.00	
NOTE.—The work of the duplicating section and the mailing rooms has increased to such an extent that the present force is unable to properly handle it, even though additional modern duplicating, addressing, stencil-cutting, and folding machines have been installed. Three additional employees are absolutely necessary in order to perform the required work in a prompt and efficient manner.		
(34) One skilled laborer (<i>same acts</i>)	720.00	
(35) One folder (<i>same acts</i>)	1,000.00	
(36) Two folders, at \$900 each (<i>same acts</i>)	1,800.00	
(37) Two skilled laborers, at \$1,100 each (<i>same acts</i>)	2,200.00	
(38) One skilled laborer (<i>same acts</i>)	1,000.00	
(39) Two messengers, at \$840 each (<i>same acts</i>)	1,680.00	
(40) Three messengers or messenger boys, at \$600 each (<i>same acts</i>) ..	1,800.00	
(41) Two messengers or messenger boys, at \$480 each (<i>same acts</i>)	960.00	
(42) Two messengers or messenger boys, at \$420 each (<i>same acts</i>)	840.00	
(43) Two messengers or messenger boys, at \$360 each (<i>same acts</i>)	720.00	
(44) One laborer (<i>same acts</i>)	840.00	
(45) Two laborers, at \$600 each (<i>same acts</i>)	1,200.00	
(46) Three charwomen, at \$480 each (<i>same acts</i>)	1,440.00	
(47) Three charwomen, at \$240 each (<i>same acts</i>)	720.00	
	<hr/>	
	\$178,920.00	\$181,920.00

Appropriations for 1909.....	\$139,710	Estimates for 1910.....	\$141,980
Appropriations for 1910.....	173,450	Estimates for 1911.....	172,730
Appropriations for 1911.....	172,730	Estimates for 1912.....	177,510
Appropriations for 1912.....	179,960	Estimates for 1913.....	181,110
Appropriations for 1913.....	194,700	Estimates for 1914.....	165,810
Appropriations for 1914.....	166,410	Estimates for 1915.....	171,090
Appropriations for 1915.....	170,750	Estimates for 1916.....	174,750
Appropriations for 1916.....	174,750	Estimates for 1917.....	175,830
Appropriations for 1917.....	177,400	Estimates for 1918.....	184,160
Appropriations for 1918.....	181,920	Estimates for 1919.....	178,920

NOTE.—Apparent decrease, \$3,000; actual decrease, \$3,000, as follows:

Transfers to statutory roll, Secretary's office.

1 assistant editor.....	\$2,000
4 assistant editors, at \$1,800 each.....	7,200
1 assistant editor.....	1,600
	<hr/>
	\$10,800

New places.

2 draftsmen or photographers, at \$1,200 each.....	2,400
1 laboratory aid.....	720
3 clerks, at \$840 each.....	2,520
3 laborers, messengers, or messenger boys, at \$720 each.....	2,160
	<hr/>
	7,800

Actual decrease.....	3,000
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Division of Publications—Continued.</i>		
<i>Change of title.</i>		
1 chief of division, \$3,500, in lieu of 1 editor, who shall be chief of division, \$3,500.		
1 assistant chief of division, \$2,500, in lieu of 1 editor, who shall be assistant chief of division, \$2,500.		
1 assistant in charge of indexing, \$2,000, in lieu of 1 assistant editor in charge of indexing, \$2,000.		
1 assistant, \$2,000, in lieu of 1 assistant editor, \$2,000.		
1 assistant, \$1,400, in lieu of 1 assistant editor, \$1,400.		
<i>General Expenses, Division of Publications—</i>		
(48) For miscellaneous objects of expenditure in connection with the publication, indexing, illustration, and distribution of bulletins, documents, and reports, as follows (<i>act Mar. 4, 1917, vol. 39, p. 1157, sec. 1</i>):		
(49) For labor-saving machinery, including necessary supplies (<i>same acts</i>)	\$3, 500. 00	
(50) For envelopes, stationery, and materials [\$6,500] (<i>same acts</i>) ----	7, 500. 00	
NOTE.—An increase of \$1,000 is requested in order to provide for the purchase of paper, envelopes, and other materials required in connection with the work of duplicating and mailing informational circulars. The amount of duplicating work has greatly increased and the small additional sum recommended is urgently needed.		
(51) For office furniture and fixtures (<i>same acts</i>)	1, 320. 00	
(52) For photographic equipment and for photographic materials and artists' tools and supplies, \$17,000: <i>Provided</i> , That the Secretary of Agriculture is authorized, under such rules and regulations and subject to such conditions as he may prescribe, to loan, rent, or sell copies of films: <i>Provided</i> , That in the sale or rental of films educational institutions or associations for agricultural education not organized for profit shall have preference; all moneys received from such rentals or sales to be covered into the Treasury of the United States as miscellaneous receipts (<i>same acts</i>)	17, 000. 00	
(53) For telephone and telegraph service and freight and express charges [\$250] (<i>same acts</i>)	500. 00	
NOTE.—The present appropriation of \$250 is used principally for the payment of telephone service. It is estimated that this entire amount will be required for this purpose alone during the fiscal year 1919. An additional \$250 is needed to cover necessary telegraph, freight, and express charges. The authority given the department in the agricultural act for 1918 to sell and rent films entails a considerable expenditure in connection with express and freight shipments and unless additional funds are provided the work will be considerably hampered.		
(54) For wagons, motor trucks, bicycles, horses, harness, and maintenance of the same (<i>same acts</i>)	500. 00	
NOTE.—The words "motor trucks" have been added to the language of this item, so that such vehicles may, when necessary, be purchased and maintained.		
(55) For purchase of manuscripts, traveling expenses, electrotypes, illustrations, and other expenses not otherwise provided for (<i>same acts</i>)	3, 000. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Division of Publications—Continued.</i>		
(56) <i>For extra labor and emergency employments in the District of Columbia (submitted)</i>	\$2, 500. 00	
<p>NOTE.—This new item is designed to obviate a situation which confronts the department each year, particularly during the months of January, February, and March. During this period there is such an increase in the work of the Division of Publications that it can not be kept up to date by the regular force, and consequently a serious congestion occurs. The incorporation of the above item will provide necessary authority for the temporary employment of a few additional clerks and skilled laborers at the time of greatest need and thus make possible efficient and effective service throughout the year.</p>		
In all, for general expenses	\$35, 820. 00	\$32, 070. 00
Appropriations for 1909..... \$40, 000	Estimates for 1910..... \$70, 000	
Appropriations for 1910..... 33, 000	Estimates for 1911..... 30, 000	
Appropriations for 1911..... 30, 000	Estimates for 1912..... 30, 000	
Appropriations for 1912..... 30, 000	Estimates for 1913..... 25, 000	
Appropriations for 1913..... 25, 000	Estimates for 1914..... 18, 250	
Appropriations for 1914..... 18, 250	Estimates for 1915..... 18, 750	
Appropriations for 1915..... 18, 750	Estimates for 1916..... 18, 750	
Appropriations for 1916..... 18, 750	Estimates for 1917..... 20, 250	
Appropriations for 1917..... 20, 250	Estimates for 1918..... 40, 870	
Appropriations for 1918..... 32, 070	Estimates for 1919..... 35, 820	
<p>NOTE.—As the objects of the appropriations are so clearly defined in the items above for general expenses, the classification of expenditures called for by section 10 of the sundry civil act of Aug. 1, 1914, has been deemed unnecessary.</p>		
Total for Division of Publications	214, 740. 00	213, 990. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF CROP ESTIMATES.			
<i>Salaries, Bureau of Crop Estimates—</i>			
(1) One statistician, who shall be chief of bureau (<i>R. S., p. 87, secs. 520-523; act Mar. 4, 1917, vol. 39, p. 1157, sec. 1</i>)	\$4,000.00		
(2) One chief clerk (<i>same acts</i>)	1,800.00		
(3) Six clerks, class 4 (<i>same acts</i>)	10,800.00		
(4) Nine clerks, class 3 (<i>same acts</i>)	14,400.00		
(5) Fifteen clerks, class 2 (<i>same acts</i>)	21,000.00		
(6) One clerk (<i>same acts</i>)	1,300.00		
(7) Twenty-four clerks, class 1 (increase of 5 submitted) (<i>same acts</i>)	28,800.00		
NOTE.—These new places are needed in order properly to handle the large increase in the work of the bureau. It has been necessary to employ additional temporary assistance from time to time in order to keep the work up to date. Under present conditions it is difficult to secure and retain competent clerks for service in Washington at salaries below \$1,200. If these new places are allowed, they will be filled by original appointments.			
(8) Nineteen clerks, at \$1,000 each (<i>same acts</i>)	19,000.00		
(9) Twenty-four clerks, at \$900 each (<i>same acts</i>)	21,600.00		
(10) Three messengers, at \$840 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)	2,520.00		
(11) Three messengers or laborers, at \$720 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)	2,160.00		
(12) Two messengers, messenger boys, or laborers, at \$660 each (<i>same acts</i>)	1,320.00		
(13) One messenger, messenger boy, or laborer (<i>same acts</i>)	480.00		
(14) One charwoman, messenger, or laborer (<i>same acts</i>)	540.00		
(15) Two charwomen, messenger boys, or laborers, at \$360 each (<i>same acts</i>)	720.00		
		\$130,440.00	\$122,880.00
Appropriations for 1909.....	\$96,640	Estimates for 1910.....	\$104,580
Appropriations for 1910.....	103,860	Estimates for 1911.....	104,700
Appropriations for 1911.....	104,700	Estimates for 1912.....	109,670
Appropriations for 1912.....	108,720	Estimates for 1913.....	111,720
Appropriations for 1913.....	112,380	Estimates for 1914.....	115,880
Appropriations for 1914.....	115,380	Estimates for 1915.....	114,180
Appropriations for 1915.....	115,580	Estimates for 1916.....	116,780
Appropriations for 1916.....	116,780	Estimates for 1917.....	122,880
Appropriations for 1917.....	122,880	Estimates for 1918.....	130,340
Appropriations for 1918.....	122,880	Estimates for 1919.....	130,440
NOTE.—Apparent increase, \$7,560; actual increase, \$6,000, as follows:			
<i>New places.</i>			
5 clerks, class 1.....	\$6,000		
Actual increase.....	\$6,000		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Crop Estimates—Continued.</i>		
<i>Transfers from lump fund of this bureau, which fund has been correspondingly reduced.</i>		
1 messenger from administrative expenses.....	\$840	
1 messenger or laborer from administrative expenses.....	720	
	<u>\$1,560</u>	
Apparent increase.....		7,560

General Expenses, Bureau of Crop Estimates—

- (16) For all necessary expenses for collecting, compiling, abstracting, analyzing, summarizing, and interpreting data relating to agriculture; for making and publishing periodically crop and live-stock estimates, including acreage, yield, and value of farm products, as follows [*Provided*, That hereafter the Monthly Crop Report shall be printed and distributed on or before the twelfth day of each month] (*acts Mar. 3, 1903, vol. 32, p. 1162, sec. 1; Mar. 4, 1917, vol. 39, p. 1157, sec. 1*):

NOTE.—The proviso relating to the printing of the Monthly Crop Report is omitted as it is continuing legislation.

- (17) Salaries and employment of labor in the city of Washington and elsewhere, supplies, telegraph and telephone service, freight and express charges, and all other necessary miscellaneous administrative expenses [\$24,700] (*same acts*) \$24,230.00

NOTE.—There is an apparent decrease in this item of \$470, but, taking into consideration transfers to the statutory roll of this bureau amounting to \$1,560, the transfer of one-fourth of the salary of the chief of field service (\$690) to the item for field investigations, and the transfer of one watchman at \$720 to the statutory roll of the Secretary's Office, the actual increase is \$2,500. Four additional skilled laborers are needed in the mailing section for handling the increased volume of work, and small additional sums are required for stationery, floor covering, furniture, and miscellaneous office equipment.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Assistant chief of bureau.....per annum.....	\$3,504.00	1	1
Statistical scientist.....do.....	3,504.00	1	1
Statistical scientist.....do.....	2,520.00	1	1
Chief of field service.....do.....	2,760.00	1	1 (part time)
Chief, division of crop records.....do.....	2,520.00	1	1
Chief, division of crop reports.....do.....	2,256.00 2,040.00	1	1
Clerk.....do.....	1,400.00	..	1 (temp.)
Clerk.....do.....	1,200.00	..	1 (temp.)
Clerk.....do.....	1,000.00	..	1 (temp.)
Clerk, messenger, and watchman, \$900 to \$720.....do.....	3 (temp.)
Wages:			
Temporary laborers, \$720 and \$300.....do.....	..	15	15
Salaries.....		\$14,804.00	\$17,002.22
Wages.....		3,500.00	3,397.14
Other objects of expenditure:			
Stationery.....		2,500.00	1,663.74
Equipment and material.....		2,100.00	2,705.15
Telegraph and telephone service.....		700.00	739.31
Miscellaneous items.....		626.00	796.82
Total.....		24,230.00	26,304.38

- (18) Salaries, travel, and other necessary expenses of employees out of the city of Washington engaged in field investigations [\$175,872] (*same acts*) 204,337.00

NOTE.—There is an apparent increase in this item of \$28,465, but, deducting one-fourth (\$690) of the salary of the chief of field service transferred to this item from the item for administrative expenses, the actual increase is \$27,775. It is proposed to use this increase as follows:

\$9,000 for additional traveling expenses for 9 crop specialists now in the service. The original estimate of \$1,500 per man for this purpose was based on a travel allowance for field agents, who are away from headquarters only about three weeks per month, whereas the specialists disregard State lines and travel almost continuously. The average travel expenses of the latter will exceed \$2,500 per annum. The deficit on this account has been made up in the past

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																								
General Expenses, Bureau of Crop Estimates—Continued.																																																																																																																													
at the expense of other projects and from funds available by reason of delay in making new appointments.																																																																																																																													
\$1,500 for increased travel required of the chief of field service and for inspection trips by representatives of the administrative office.																																																																																																																													
\$600 for cablegram service from the International Institute of Agriculture at Rome, estimated at \$50 per month. Prior to the present fiscal year the monthly world crop reports were cabled to this department at the expense of the institute. On May 29, 1917, the American delegate notified the department that the institute could no longer prepay cablegrams.																																																																																																																													
\$675 for telegraph expenses of 9 truck and fruit crop specialists, at \$75 each. These crops are of great importance, their total annual value exceeding \$400,000,000, and they are highly perishable. In order that growers may intelligently conduct these operations it is necessary for them to be kept informed of the acreage planted and the growing condition in other producing sections at short intervals. Weekly estimates of probable production are also needed to supplement the daily market news service of the Bureau of Markets.																																																																																																																													
\$4,000 for adding machines for 23 field agents. An adding machine is a necessary part of a field agent's equipment. Many of the field agents already have been supplied.																																																																																																																													
\$7,500 for stationery. The great increase already made and the still greater increase contemplated in the volume of inquiries to be mailed, together with the advanced cost of paper, makes this additional amount necessary.																																																																																																																													
\$4,500 for miscellaneous office equipment, emergency travel, renewal of old equipment, etc., in the field service.																																																																																																																													
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Chief, division of crop reports per annum..</td><td>\$2,760.00</td><td>1</td><td>1(parttime)</td></tr><tr><td>Statistical scientist do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Crop specialist do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Crop specialist do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Crop specialist do.....</td><td>2,520.00</td><td>1</td><td>1</td></tr><tr><td>Crop specialist do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Crop specialist do.....</td><td>1,608.00</td><td>1</td><td>1</td></tr><tr><td>Field agents do.....</td><td>2,400.00</td><td>2</td><td>5</td></tr><tr><td>Field agents do.....</td><td>2,256.00</td><td>4</td><td>6</td></tr><tr><td>Field agents do.....</td><td>2,616.00</td><td>6</td><td>24</td></tr><tr><td>Field agents do.....</td><td>1,800.00</td><td>23</td><td>5</td></tr><tr><td>Field agents do.....</td><td>1,608.00</td><td>7</td><td>4</td></tr><tr><td>Assistant crop specialists do.....</td><td>1,800.00</td><td>2</td><td>1</td></tr><tr><td>Assistant crop specialists do.....</td><td>1,608.00</td><td>4</td><td>1</td></tr><tr><td>Scientific assistant in farm economics do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in dry-land agriculture do.....</td><td>1,608.00</td><td>1</td><td>1</td></tr><tr><td>Clerk do.....</td><td>1,000.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Special agent per diem..</td><td>5.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Collaborators per annum..</td><td>300.00</td><td>6</td><td>6 (temp.)</td></tr><tr><td>Collaborator do.....</td><td>1.00</td><td>1</td><td>1</td></tr><tr><td>Salaries.....</td><td></td><td>\$98,862.00</td><td>\$88,794.72</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>11,500.00</td><td>6,704.05</td></tr><tr><td>Traveling expenses.....</td><td></td><td>75,200.00</td><td>63,212.10</td></tr><tr><td>Equipment and material.....</td><td></td><td>13,000.00</td><td>4,161.31</td></tr><tr><td>Telegraph and telephone service.....</td><td></td><td>1,275.00</td><td>466.30</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>4,500.00</td><td>662.50</td></tr><tr><td>Total.....</td><td></td><td>204,337.00</td><td>164,000.98</td></tr></table>						Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		Number.	Number.	Chief, division of crop reports per annum..	\$2,760.00	1	1(parttime)	Statistical scientist do.....	2,520.00	1	1	Crop specialist do.....	2,520.00	1	1	Crop specialist do.....	2,400.00	1	1	Crop specialist do.....	2,520.00	1	1	Crop specialist do.....	1,800.00	1	1	Crop specialist do.....	1,608.00	1	1	Field agents do.....	2,400.00	2	5	Field agents do.....	2,256.00	4	6	Field agents do.....	2,616.00	6	24	Field agents do.....	1,800.00	23	5	Field agents do.....	1,608.00	7	4	Assistant crop specialists do.....	1,800.00	2	1	Assistant crop specialists do.....	1,608.00	4	1	Scientific assistant in farm economics do.....	1,800.00	1	1	Assistant in dry-land agriculture do.....	1,608.00	1	1	Clerk do.....	1,000.00	1	1 (temp.)	Special agent per diem..	5.00	1 (temp.)	1 (temp.)	Collaborators per annum..	300.00	6	6 (temp.)	Collaborator do.....	1.00	1	1	Salaries.....		\$98,862.00	\$88,794.72	Other objects of expenditure:				Stationery.....		11,500.00	6,704.05	Traveling expenses.....		75,200.00	63,212.10	Equipment and material.....		13,000.00	4,161.31	Telegraph and telephone service.....		1,275.00	466.30	Miscellaneous items.....		4,500.00	662.50	Total.....		204,337.00	164,000.98
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In all, for general expenses				\$228,567.00	\$200,572.00																																																																																																																								
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Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917, (32 Stat., p. 303).																																																																																																																													
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Total for Bureau of Crop Estimates				359,007.00	323,452.00																																																																																																																								

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
LIBRARY, DEPARTMENT OF AGRICULTURE.			
<i>Salaries, Library, Department of Agriculture—</i>			
(1) One librarian (<i>R. S., p. 87, secs. 520–523; act Mar. 4, 1917, vol. 39, pp. 1157, 1158, sec. 1</i>)	\$2, 000. 00		
(2) One clerk, class 3 (<i>same acts</i>)	1, 600. 00		
(3) One clerk, class 2 (<i>same acts</i>)	1, 400. 00		
(4) Five clerks, class 1 (<i>same acts</i>)	6, 000. 00		
(5) Three clerks, at \$1,080 each (<i>same acts</i>)	3, 240. 00		
(6) Three clerks, at \$1,020 each (<i>same acts</i>)	3, 060. 00		
(7) Four clerks, at \$1,000 each (<i>same acts</i>)	4, 000. 00		
(8) Six clerks, at \$900 each (<i>same acts</i>)	5, 400. 00		
(9) One clerk (<i>same acts</i>)	840. 00		
(10) One junior library assistant, messenger, or messenger boy (<i>same acts</i>)	720. 00		
(11) One junior library assistant or messenger boy (<i>same acts</i>)	660. 00		
(12) Three junior library assistants or messenger boys, at \$600 each (<i>same acts</i>)	1, 800. 00		
(13) One messenger, messenger boy, or laborer (<i>same acts</i>)	480. 00		
(14) Two charwomen, at \$480 each (<i>same acts</i>)	960. 00		
		\$32, 160. 00	\$32, 160. 00
Appropriations for 1909.....	\$18, 080	Estimates for 1910.....	\$20, 160
Appropriations for 1910.....	19, 320	Estimates for 1911.....	19, 920
Appropriations for 1911.....	19, 920	Estimates for 1912.....	23, 000
Appropriations for 1912.....	25, 000	Estimates for 1913.....	27, 650
Appropriations for 1913.....	25, 780	Estimates for 1914.....	29, 520
Appropriations for 1914.....	27, 020	Estimates for 1915.....	27, 860
Appropriations for 1915.....	27, 860	Estimates for 1916.....	29, 720
Appropriations for 1916.....	29, 720	Estimates for 1917.....	31, 520
Appropriations for 1917.....	31, 520	Estimates for 1918.....	34, 920
Appropriations for 1918.....	32, 160	Estimates for 1919.....	32, 160

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																
<i>General Expenses, Library—</i>																																																					
(15) For books of reference, technical and scientific books, papers and periodicals, and for expenses incurred in completing imperfect series; for the employment of additional assistants in the city of Washington and elsewhere; for official traveling expenses, and for library fixtures, library cards, supplies, and for all other necessary expenses (<i>act Mar. 4, 1917, vol. 39, p. 1158, sec. 1</i>) -----				\$18, 000. 00	\$18, 000. 00																																																
<table><tr><td>Employees.</td><td>Rate.</td><td>Estimated, 1919.</td><td>Expended, 1917.</td></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant in library science.....per annum.....</td><td>\$1, 200. 00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Assistant in library science.....do.....</td><td>1, 000. 00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerk *.....do.....</td><td>1, 000. 00</td><td>..</td><td>1</td></tr><tr><td>Charwomen, \$180 and \$210.....do.....</td><td></td><td>2 (temp.)</td><td>2 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$490. 00</td><td>\$2, 065. 21</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>250. 00</td><td>225. 96</td></tr><tr><td>Traveling expenses.....</td><td></td><td>100. 00</td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>17, 160. 00</td><td>15, 325. 28</td></tr><tr><td>Total.....</td><td></td><td>18, 000. 00</td><td>17, 616. 45</td></tr></table>				Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant in library science.....per annum.....	\$1, 200. 00	..	1 (temp.)	Assistant in library science.....do.....	1, 000. 00	..	1 (temp.)	Clerk *.....do.....	1, 000. 00	..	1	Charwomen, \$180 and \$210.....do.....		2 (temp.)	2 (temp.)	Salaries.....		\$490. 00	\$2, 065. 21	Other objects of expenditure:				Stationery.....		250. 00	225. 96	Traveling expenses.....		100. 00		Equipment and material.....		17, 160. 00	15, 325. 28	Total.....		18, 000. 00	17, 616. 45		
Employees.	Rate.	Estimated, 1919.	Expended, 1917.																																																		
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Total.....		18, 000. 00	17, 616. 45																																																		
*Transferred to statutory roll in Agricultural act for 1918.																																																					
<table><tr><td>Appropriation for 1909.....</td><td>\$15, 500</td><td>Estimate for 1910.....</td><td>\$16, 500</td></tr><tr><td>Appropriation for 1910.....</td><td>16, 500</td><td>Estimate for 1911.....</td><td>15, 400</td></tr><tr><td>Appropriation for 1911.....</td><td>15, 400</td><td>Estimate for 1912.....</td><td>15, 500</td></tr><tr><td>Appropriation for 1912.....</td><td>15, 500</td><td>Estimate for 1913.....</td><td>15, 500</td></tr><tr><td>Appropriation for 1913.....</td><td>15, 500</td><td>Estimate for 1914.....</td><td>16, 500</td></tr><tr><td>Appropriation for 1914.....</td><td>16, 500</td><td>Estimate for 1915.....</td><td>17, 500</td></tr><tr><td>Appropriation for 1915.....</td><td>17, 500</td><td>Estimate for 1916.....</td><td>17, 500</td></tr><tr><td>Appropriation for 1916.....</td><td>16, 300</td><td>Estimate for 1917.....</td><td>18, 000</td></tr><tr><td>Appropriation for 1917.....</td><td>18, 000</td><td>Estimate for 1918.....</td><td>27, 000</td></tr><tr><td>Appropriation for 1918.....</td><td>18, 000</td><td>Estimate for 1919.....</td><td>18, 000</td></tr></table>				Appropriation for 1909.....	\$15, 500	Estimate for 1910.....	\$16, 500	Appropriation for 1910.....	16, 500	Estimate for 1911.....	15, 400	Appropriation for 1911.....	15, 400	Estimate for 1912.....	15, 500	Appropriation for 1912.....	15, 500	Estimate for 1913.....	15, 500	Appropriation for 1913.....	15, 500	Estimate for 1914.....	16, 500	Appropriation for 1914.....	16, 500	Estimate for 1915.....	17, 500	Appropriation for 1915.....	17, 500	Estimate for 1916.....	17, 500	Appropriation for 1916.....	16, 300	Estimate for 1917.....	18, 000	Appropriation for 1917.....	18, 000	Estimate for 1918.....	27, 000	Appropriation for 1918.....	18, 000	Estimate for 1919.....	18, 000										
Appropriation for 1909.....	\$15, 500	Estimate for 1910.....	\$16, 500																																																		
Appropriation for 1910.....	16, 500	Estimate for 1911.....	15, 400																																																		
Appropriation for 1911.....	15, 400	Estimate for 1912.....	15, 500																																																		
Appropriation for 1912.....	15, 500	Estimate for 1913.....	15, 500																																																		
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Appropriation for 1916.....	16, 300	Estimate for 1917.....	18, 000																																																		
Appropriation for 1917.....	18, 000	Estimate for 1918.....	27, 000																																																		
Appropriation for 1918.....	18, 000	Estimate for 1919.....	18, 000																																																		
Total for Library-----				50, 160. 00	50, 160. 00																																																

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
MISCELLANEOUS EXPENSES.		
<i>Miscellaneous Expenses, Department of Agriculture—</i>		
For stationery, blank books, twine, paper, gum, dry goods, soap, brushes, brooms, mats, oils, paints, glass, lumber, hardware, ice, fuel, water and gas pipes, heating apparatus, furniture, carpets, and matting; for lights, freight, express charges, advertising, telegraphing, telephoning, postage, washing towels, and necessary repairs and improvements to buildings and heating apparatus; for the purchase, subsistence, and care of horses and the purchase and repair of harness and vehicles, for official purposes only; for the payment of duties on imported articles, and the Department of Agriculture's proportionate share of the expense of the dispatch agent in New York; for official traveling expenses; and for other miscellaneous supplies and expenses not otherwise provided for, and necessary for the practical and efficient work of the department (<i>act Mar. 4, 1917, vol. 39, p. 1158, sec. 1</i>)	\$137,500.00	\$137,500.00

Appropriation for 1909.....	\$86,200	Estimate for 1910.....	\$70,000
Appropriation for 1910.....	80,000	Estimate for 1911.....	100,000
Appropriation for 1911.....	100,000	Estimate for 1912.....	110,000
Appropriation for 1912.....	110,000	Estimate for 1913.....	96,066
Appropriation for 1913.....	106,066	Estimate for 1914.....	106,066
Appropriation for 1914.....	106,066	Estimate for 1915.....	110,000
Appropriation for 1915.....	110,000	Estimate for 1916.....	115,000
Appropriation for 1916.....	115,000	Estimate for 1917.....	115,000
Appropriation for 1917.....	122,500	Estimate for 1918.....	122,500
Appropriation for 1918.....	137,500	Estimate for 1919.....	137,500

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
U. S. dispatch agent.....per annum..	\$600.00	1	1
Salaries.....		\$600.00	\$600.00
Other objects of expenditure:			
Stationery.....		12,000.00	12,493.49
Traveling expenses.....		3,000.00	1,822.66
Equipment and material.....		93,900.00	80,443.95
Telephone and telegraph service.....		3,000.00	2,383.43
Miscellaneous items.....		25,000.00	21,021.28
Total.....		137,500.00	118,764.81

Statement of proposed expenditures from the appropriation for miscellaneous expenses, Department of Agriculture, for the fiscal year ending June 30, 1919, for the maintenance, repair, and operation of horse-drawn, passenger-carrying vehicles, as required by sec. 5 of the act of July 16, 1914 (38 Stat., p. 508).

Office.	Horse-drawn or motor-propelled.	Appropriation.	Maintenance, repair, and operation.			Public purpose for which intended.	Officials and employees by whom used.
			Num-ber.	Description.	Amount.		
Secretary's office.....	Horse-drawn	Miscellaneous expenses, Department of Agriculture.	1 1 1 2	Brougham. Surrey..... Victoria.... Carriages...	\$600	Personal transportation on official business.	Secretary and Acting Secretary of Agriculture, Washington, D. C.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
RENT IN THE DISTRICT OF COLUMBIA.			
Rent of Buildings, Department of Agriculture—			
For rent of buildings and parts of buildings in the District of Columbia, for use of the various bureaus, divisions, and offices of the Department of Agriculture, [\$143,689] \$158,689 [: Provided, That a joint committee to be composed of three Members of the Senate, appointed by the President of the Senate, and three Members of the House, appointed by the Speaker of the House, is hereby constituted, who shall investigate the amount of floor space required by the Department of Agriculture for its various activities in the city of Washington, the annual rental now paid by the department, the land available for the erection of Government owned buildings to meet the needs of the department, together with the cost of erecting the same, and report to Congress not later than the first Monday in December, nineteen hundred and seventeen.] (act Mar. 4, 1917, vol. 39, p. 1158, sec. 1) -----		\$158,689.00	\$143,689.00
Appropriation for 1913.....	\$95,329	Estimate for 1913.....	\$95,329
Appropriation for 1914.....	98,329	Estimate for 1914.....	95,329
Appropriation for 1915.....	108,329	Estimate for 1915.....	115,829
Appropriation for 1916.....	123,689	Estimate for 1916.....	123,689
Appropriation for 1917.....	123,689	Estimate for 1917.....	123,689
Appropriation for 1918.....	143,689	Estimate for 1918.....	143,689
		Estimate for 1919.....	158,689
<p>NOTE.—There is an increase in this item of \$15,000. The steady growth of the department, involving increased appropriations and a consequent enlarged personnel, makes it necessary to secure more office and laboratory space.</p> <p>The Bureau of Markets especially needs additional quarters for employees in Washington. This bureau has grown rapidly, as shown by the increase in its total appropriations from \$484,050 for the fiscal year 1916 to \$1,718,575 for 1918. Its office accommodations have not kept pace with this expansion, however, and the work has been considerably hampered as a result. This bureau has at the present time over 1,100 employees in the city of Washington. In order to provide adequate quarters for this force and for the new employees who will be required in connection with those projects for which increased appropriations are recommended in the estimates, the Bureau of Markets will need additional floor space.</p> <p>It would undoubtedly be in the interest of good administration if the Bureau of Chemistry could transfer to Washington its food research laboratory now located in Philadelphia. This laboratory's quarters in Philadelphia occupy 1,700 square feet of floor space, for which an annual rental of \$3,600 is paid out of the appropriation for poultry and egg investigations. With this amount it is believed that suitable quarters could be secured for the work in Washington. Under existing law, however, it would not be possible to defray this expense from the lump-fund appropriation for poultry and egg investigations, and it is proposed to make provision for this purpose under the item for rent in the District of Columbia.</p> <p>Other branches of the department in need of additional offices and laboratory space are the States Relations Service, the Bureau of Entomology, and the Federal Horticultural Board.</p>			
Other objects of expenditure.		Estimated, 1919.	Expended, 1917.
Rent of buildings.....		\$158,689.00	\$123,689.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Rent of Buildings, Department of Agriculture—Continued.</i>		
<i>Statement showing estimated amounts that will be paid from the above appropriation during the fiscal year 1918 for quarters to be occupied by the various branches of the department (38 Stat., p. 1108).</i>		
Bureau of Markets..... \$22,442.75 Library, Department of Agriculture..... 5,512.00 Bureau of Biological Survey..... 4,199.00 Division of Publications..... 7,585.00 Bureau of Plant Industry..... 28,814.00 Bureau of Crop Estimates..... 583.00 States Relations Service..... 12,029.00 Forest Service..... 18,690.00 Bureau of Chemistry..... 17,660.00 Bureau of Animal Industry..... 4,665.25 Bureau of Soils..... 585.00 Office of Public Roads and Rural Engineering..... 9,799.00 Office of the Solicitor..... 3,000.00 Insecticide and Fungicide Board..... 2,650.00 Federal Horticultural Board..... 240.00 Office of the Secretary..... 359.00 Office of Farm Management..... 3,225.00 Weather Bureau..... 500.00 Emergency rentals..... 1,151.00		
143,689.00		
NOTE.—For statement of all buildings and parts of buildings in the District of Columbia rented by the Department of Agriculture, see also Appendix B in the Book of Estimates and the last page of this book.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
STATES RELATIONS SERVICE.		
<i>Salaries, States Relations Service—</i>		
(1) One director (<i>R. S.</i> , p. 87, secs. 520–523; act Mar. 4, 1917, vol. 39, p. 1158, sec. 1)	\$4, 500. 00	
(2) One chief clerk (<i>same acts</i>)	2, 000. 00	
(3) One financial clerk (<i>same acts</i>)	2, 000. 00	
(4) One clerk or proof reader (<i>same acts</i>)	1, 800. 00	
(5) Four clerks, class 4 (increase of 1 by transfer from lump fund for farmers' cooperative demonstrations in North and West) (<i>same acts</i>)	7, 200. 00	
(6) Eight clerks, class 3 (increase of 5, 1 by transfer from lump fund for colleges and stations, 2 from farmers' cooperative demonstrations in North and West, and 2 new places in lieu of 4 clerks at \$840 each, with net decrease of \$160, as below) (<i>same acts</i>) ...	12, 800. 00	
NOTE.—The new places involved in this change cover the substitution of 2 clerks, class 3, for 4 clerks at \$840 each. This readjustment is recommended in view of the difficulty of securing competent clerks at salaries at low as \$840. It will result in a net saving of \$160 and will increase the efficiency of the service. These new places, if allowed, will be filled by original appointments.		
(7) Two clerks, at \$1,500 each (increase of 1 by transfer from lump fund for farmers' cooperative demonstrations in North and West) (<i>same acts</i>)	3, 000. 00	
(8) Twelve clerks, class 2 (increase of 2 by transfer from lump funds for farmers' cooperative demonstrations in North and West and farmers' cooperative demonstrations in South) (<i>same acts</i>)	16, 800. 00	
(9) One clerk (by transfer from lump fund for farmers' cooperative demonstrations in North and West) (<i>same acts</i>)	1, 260. 00	
(10) Thirty-one clerks, class 1 (increase of 9, 2 by transfer from lump fund for farmers' cooperative demonstrations in North and West, 1 from farmers' cooperative demonstrations in South, 2 from home economics, and 4 from general administrative expenses) (<i>same acts</i>)	37, 200. 00	
(11) One clerk (by transfer from lump fund for farmers' cooperative demonstrations in North and West) (<i>same acts</i>)	1, 100. 00	
(12) Thirty-nine clerks, at \$1,000 each (increase of 16, 2 by transfer from lump fund for colleges and stations, 7 from farmers' cooperative demonstrations in North and West, 4 from farmers' cooperative demonstrations in South, 2 from home economics, and 1 from general administrative expenses) (<i>same acts</i>)	39, 000. 00	
(13) Thirty-one clerks, at \$900 each (increase of 4, 3 by transfer from lump funds for colleges and stations, farmers' cooperative demonstrations in North and West, and farmers' cooperative demonstrations in South, and 1 in lieu of 1 library cataloguer at same salary, as below) (<i>same acts</i>)	27, 900. 00	
NOTE.—One clerk at \$900 is added in lieu of one library cataloguer at the same salary. This is merely a change of title and is recommended so that the position may be utilized for the appointment of a clerk whose services are needed. This place has been vacant at various times, as it can only be filled by a library cataloguer.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																								
<i>Salaries, States Relations Service—Continued.</i>																																										
(14) One clerk or lantern-slide colorist (by transfer from lump fund for general administrative expenses) (<i>R. S., p. 87, secs. 520-523; act Mar. 4, 1917, vol 39, p. 1158, sec. 1</i>) -----	\$900. 00																																									
(15) Three clerks, at \$840 each (decrease of 5, 1 by transfer to statutory roll, Secretary's office, and 4 dropped) (<i>same acts</i>) -----	2, 520. 00																																									
NOTE.—See note under item 6.																																										
(16) Two clerks, at \$720 each (decrease of 2 by transfer to statutory roll, Secretary's office) (<i>same acts</i>) -----	1, 440. 00																																									
(17) [One library cataloguer, \$900, changed to clerk at same salary, as above.]																																										
NOTE.—See note under item 13.																																										
(18) Three messengers, messenger boys, or laborers, at \$720 each (increase of 1 by transfer from lump fund for farmers' cooperative demonstrations in South) (<i>same acts</i>) -----	2, 160. 00																																									
(19) Five messengers, messenger boys, or laborers, at \$600 each (increase of 1 by transfer from statutory roll, Secretary's office) (<i>same acts</i>) -----	3, 000. 00																																									
(20) Sixteen messengers, messenger boys, or laborers, at \$480 each (increase of 6, 4 by transfer from lump fund for farmers' cooperative demonstrations in North and West, 1 from farmers' cooperative demonstrations in South, and 1 from home economics) (<i>same acts</i>) -----	7, 680. 00																																									
(21) One messenger, messenger boy, or laborer (<i>same acts</i>) -----	360. 00																																									
(22) Three messengers, messenger boys, or laborers, at \$300 each (<i>same acts</i>) -----	900. 00																																									
(23) One skilled laborer (<i>same acts</i>) -----	900. 00																																									
(24) Four laborers or charwomen, at \$480 each (<i>same acts</i>) -----	1, 920. 00																																									
(25) Eleven laborers or charwomen, at \$240 each (increase of 2 by transfer from lump funds for colleges and stations and farmers' cooperative demonstrations in North and West) (<i>same acts</i>) --	2, 640. 00																																									
	\$180, 980. 00	\$135, 080. 00																																								
<table><tr><td>Appropriations for 1909.....</td><td>\$34, 620</td><td>Estimates for 1910.....</td><td>\$39, 480</td></tr><tr><td>Appropriations for 1910.....</td><td>39, 260</td><td>Estimates for 1911.....</td><td>46, 180</td></tr><tr><td>Appropriations for 1911.....</td><td>46, 180</td><td>Estimates for 1912.....</td><td>56, 500</td></tr><tr><td>Appropriations for 1912.....</td><td>56, 560</td><td>Estimates for 1913.....</td><td>59, 840</td></tr><tr><td>Appropriations for 1913.....</td><td>58, 240</td><td>Estimates for 1914.....</td><td>66, 740</td></tr><tr><td>Appropriations for 1914.....</td><td>66, 160</td><td>Estimates for 1915.....</td><td>68, 840</td></tr><tr><td>Appropriations for 1915.....</td><td>68, 840</td><td>Estimates for 1916.....</td><td>103, 140</td></tr><tr><td>Appropriations for 1916.....</td><td>103, 140</td><td>Estimates for 1917.....</td><td>127, 700</td></tr><tr><td>Appropriations for 1917.....</td><td>127, 540</td><td>Estimates for 1918.....</td><td>137, 740</td></tr><tr><td>Appropriations for 1918.....</td><td>135, 080</td><td>Estimates for 1919.....</td><td>180, 980</td></tr></table>			Appropriations for 1909.....	\$34, 620	Estimates for 1910.....	\$39, 480	Appropriations for 1910.....	39, 260	Estimates for 1911.....	46, 180	Appropriations for 1911.....	46, 180	Estimates for 1912.....	56, 500	Appropriations for 1912.....	56, 560	Estimates for 1913.....	59, 840	Appropriations for 1913.....	58, 240	Estimates for 1914.....	66, 740	Appropriations for 1914.....	66, 160	Estimates for 1915.....	68, 840	Appropriations for 1915.....	68, 840	Estimates for 1916.....	103, 140	Appropriations for 1916.....	103, 140	Estimates for 1917.....	127, 700	Appropriations for 1917.....	127, 540	Estimates for 1918.....	137, 740	Appropriations for 1918.....	135, 080	Estimates for 1919.....	180, 980
Appropriations for 1909.....	\$34, 620	Estimates for 1910.....	\$39, 480																																							
Appropriations for 1910.....	39, 260	Estimates for 1911.....	46, 180																																							
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Appropriations for 1917.....	127, 540	Estimates for 1918.....	137, 740																																							
Appropriations for 1918.....	135, 080	Estimates for 1919.....	180, 980																																							
NOTE.—Apparent increase, \$45,900; actual decrease, \$1,840, as follows:																																										
<i>Places dropped.</i>																																										
4 clerks, at \$840 each.	\$3, 360																																									
<i>Transfers to statutory roll, Secretary's office.</i>																																										
1 clerk.....	\$840																																									
2 clerks, at \$720 each.	1, 440																																									
	2, 280																																									
	\$5, 640																																									

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
Salaries, States Relations Service—Continued.		
<i>New places.</i>		
2 clerks, class 3 (in lieu of 4 clerks at \$840 each, dropped). . . .	\$3, 200	
<i>Transfer from statutory roll, Secretary's office.</i>		
1 messenger, messenger boy or laborer.	600	
	<u>\$3, 800</u>	
Actual decrease.	1, 840	
<i>Transfers from lump funds of this service, which funds have been correspondingly reduced.</i>		
1 clerk, class 4, from farmers' cooperative demonstrations in North and West.	1, 800	
3 clerks, class 3, 1 from colleges and stations and 2 from farmers' cooperative demonstrations in North and West.	4, 800	
1 clerk, from farmers' cooperative demonstrations in North and West.	1, 500	
2 clerks, class 2, 1 from farmers' cooperative demonstrations in North and West and 1 from farmers' cooperative demonstrations in South.	2, 800	
1 clerk, from farmers' cooperative demonstrations in North and West.	1, 260	
9 clerks, class 1, 2 from farmers' cooperative demonstrations in North and West, 1 from farmers' cooperative demonstrations in South, 2 from home economics, and 4 from general administrative expenses.	10, 800	
1 clerk, from farmers' cooperative demonstrations in North and West.	1, 100	
16 clerks, at \$1,000 each, 2 from colleges and stations, 7 from farmers' cooperative demonstrations in North and West, 4 from farmers' cooperative demonstrations in South, 2 from home economics, and 1 from general administrative expenses.	16, 000	
3 clerks, at \$900 each, 1 from colleges and stations, 1 from farmers' cooperative demonstrations in North and West, and 1 from farmers' cooperative demonstrations in South.	2, 700	
1 clerk or lantern-slide colorist, from general administrative expenses.	900	
1 messenger, messenger boy or laborer, from farmers' cooperative demonstrations in South.	720	
6 messengers, messenger boys or laborers, at \$480 each, 4 from farmers' cooperative demonstrations in North and West, 1 from farmers' cooperative demonstrations in South, and 1 from home economics.	2, 880	
2 laborers or charwomen, at \$240 each, 1 from colleges and stations and 1 from farmers' cooperative demonstrations in North and West.	480	
	<u>47, 740</u>	
Apparent increase.	45, 900	
<i>Change of title.</i>		
1 clerk, \$900, in lieu of 1 library cataloguer, \$900.		
General Expenses, States Relations Service—		
(26) To carry into effect the provisions of an Act approved March second, eighteen hundred and eighty-seven, entitled "An Act to establish agricultural experiment stations in connection with the colleges established in the several States under the provisions of an Act approved July second, eighteen hundred and sixty-two, and of the Acts supplementary thereto," the sums apportioned to the several States and Territories, to be paid quarterly in advance (<i>acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 4, 1917, vol. 39, p. 1159, sec. 1</i>).	\$720,000. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	
General Expenses, States Relations Service—Continued.			
(27) To carry into effect the provisions of an Act approved March sixteenth, nineteen hundred and six, entitled "An Act to provide for an increased annual appropriation for agricultural experiment stations and regulating the expenditure thereof," the sums apportioned to the several States and Territories, to be paid quarterly in advance, \$720,000: <i>Provided</i> , That not to exceed \$15,000 shall be paid to each State and Territory under this Act (<i>acts Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; Mar. 4, 1917, vol. 39, p. 1159, sec. 1</i>) -----	\$720,000.00		
(28) To enable the Secretary of Agriculture to enforce the provisions of the above Acts and the Act approved May eighth, nineteen hundred and fourteen, entitled "An Act to provide for cooperative agricultural extension work between the agricultural colleges in the several States receiving the benefits of an Act of Congress approved July second, eighteen hundred and sixty-two, and of Acts supplementary thereto, and the United States Department of Agriculture," relative to their administration and for the administration of agricultural experiment stations in Alaska, Hawaii, Porto Rico, [and] the island of Guam, and the Virgin Islands of the United States, including the employment of clerks, assistants, and other persons in the city of Washington and elsewhere, freight and express charges, official traveling expenses, office fixtures, supplies, apparatus, telegraph and telephone service, gas, electric current, and rent outside of the District of Columbia, \$68,500; and the Secretary of Agriculture shall prescribe the form of the annual financial statement required under the above Acts, ascertain whether the expenditures are in accordance with their provisions, coordinate the work of the Department of Agriculture with that of the State agricultural colleges and experiment stations in the lines authorized in said Acts, and make report thereon to Congress (<i>acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1; Mar. 4, 1917, vol 39, pp. 1159, 1160, sec. 1</i>)-----	68,500.00		
<p>NOTE.—There is apparently no change in this item, but, taking into consideration transfers to the statutory roll, there is an actual increase of \$4,740. This sum is needed in connection with the administration of the Smith-Lever funds, which will be increased by \$1,000,000 during the fiscal year 1919.</p> <p>The language of this paragraph has been amended so as to provide authority for the payment of necessary administrative expenses incident to the proposed establishment and maintenance of an experiment station on the Virgin Islands of the United States. (See item 32.)</p>			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Agricultural chemist and chief, per annum	\$4,000.00	1	1
Agriculturist and assistant chief,do	3,500.00	1 (part time)	1 (part time)
Agricultural physicistdo	3,240.00	1 (part time)	1 (part time)
Agriculturistsdo	2,760.00	3 (part time)	3 (part time)
Agriculturistdo	2,640.00	1 (part time)	1 (part time)
Agriculturistdo	2,520.00	1	1 (part time)
Specialist in botanydo	3,240.00	1	1 (part time)
Chief home economics expertdo	3,000.00	1	1 (part time)
Scientific assistantdo	3,000.00	1	1
Scientific assistantsdo	2,400.00	2	2
Scientific assistantsdo	2,220.00	2	2
Scientific assistantdo	2,000.00	1 (part time)	1
Scientific assistantdo	2,160.00	1	1
Scientific assistantsdo	1,980.00	2 (1 part time)	2 (1 part time)
Scientific assistantsdo	1,800.00	3 (1 part time)	4 (2 part time 1 temp.)
Scientific assistantsdo	1,620.00	3	3
Scientific assistantdo	1,500.00	1	1

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Scientific assistant.....per annum..	\$1,380.00	1	1		
Scientific assistant.....do.....	1,200.00	1 (part time)	1 (part time)		
Extension specialist.....do.....	1,000.00	1	1 (part time)		
Extension specialist.....do.....	2,520.00	1	1 (part time)		
Cooperative agent.....do.....	2,400.00	1	1 (temp.)		
Clerk†.....do.....	1,200.00	1	1		
Clerk†.....do.....	1,500.00	1	1		
Clerk†.....do.....	900.00	1	1		
Charwoman†.....do.....	210.00	1	1		
Clerks and messenger boys, \$900 per annum to \$3.....per diem..		5 (temp.)	7 (6 temp.)		
Wages:					
Miscellaneous temporary labor {per month..	25.00	2	2		
.....per diem.....	3.50				
Salaries.....		\$56,264.00	\$46,147.51		
Wages.....		500.00	154.50		
Other objects of expenditure:					
Traveling expenses.....		3,500.00	3,481.65		
Equipment and material.....		3,500.00	1,874.42		
Miscellaneous expenses.....		4,736.00	939.66		
Total.....		68,500.00	52,597.74		

† Recommended for transfer to statutory roll in estimates for 1919.

- (29) For farmers' cooperative demonstration work outside of the cotton belt, including the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses **["\$578,240"]** (*acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1; Mar. 4, 1917, vol. 39, pp. 1159, 1160, sec. 1*).....\$554,800.00

NOTE.—There is an apparent decrease in this item of \$23,440, due to transfers to the statutory roll of this bureau amounting to \$22,720 and the transfer of one watchman at \$720 to the statutory roll of the Secretary's office.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Agriculturist and chief.....per annum..	\$3,720.00	1	1
Agriculturist and assistant chief.....do.....	3,240.00	1	1
Agriculturists.....do.....	3,000.00	2	2
Agriculturist.....do.....	2,760.00	1	1
Agriculturist.....do.....	2,580.00	1	1
Agriculturists.....do.....	2,520.00	2	3 (1 part time)
Agriculturists.....do.....	2,400.00	2	1
Agriculturist.....do.....	2,220.00	1	1
Agriculturist.....do.....	1,860.00	1	1
Agriculturists.....do.....	1,800.00	3	3 (2 temp.)
Agriculturist.....do.....	1,680.00	1	1 (temp.)
Agriculturist.....do.....	1,620.00	1	1
Agriculturist.....do.....	1,500.00	1	1
Agriculturist.....do.....	1,400.00	1	1 (temp.)
Agriculturist.....do.....	1,300.00	1	1 (temp.)
Agriculturist.....do.....	1,200.00	1	1
Agriculturists.....do.....	1,100.00	2	1 (temp.)
Expert.....do.....	3,000.00	1	1 (temp.)
Expert.....do.....	2,750.00	1	1 (temp.)
Expert.....do.....	2,500.00	1	1
Extension specialist.....do.....	3,000.00	1	1
Extension specialist.....do.....	2,760.00	1	1
Extension specialist.....do.....	2,700.00	1	1 (temp.)
Extension specialist.....do.....	2,520.00	1	1 (part time)
Extension specialists.....do.....	2,400.00	1	3 (1 temp.; 1 part time)
Extension specialist.....do.....	2,040.00	1	1
Extension specialist.....do.....	1,800.00	1	1
Extension specialist.....do.....	1,500.00	1	1
Scientific assistant.....do.....	2,220.00	1	1 (temp.)
Scientific assistant.....do.....	1,620.00	1	1
Scientific assistant.....do.....	1,440.00	1	1
Scientific assistant.....do.....	1,620.00	1	1 (part time)
Scientific assistant.....do.....	1,440.00	1	1 (temp.)
Scientific assistants.....do.....	1,380.00	1	2 (1 temp.)
Cooperative agent.....do.....	1,200.00	1	1 (temp.)
Agent.....do.....	2,460.00	1	1
Agents.....do.....	2,000.00	2	1 (temp.)
Agent.....do.....	1,980.00	1	1
Agent.....do.....	1,900.00	1	1 (temp.)

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries—Continued.		Number.	Number.		
Agents.....per annum.....	\$1,800.00	10	9 (temp.)		
Agent.....do.....	1,750.00	1	1		
Agent.....do.....	1,740.00	1	1		
Agent.....do.....	1,720.00	1	1 (temp.)		
Agent.....do.....	1,700.00	1	1 (temp.)		
Agents.....do.....	1,680.00	3	2 (temp.)		
Agents.....do.....	1,650.00	2	2		
Agent.....do.....	1,625.00	1	1 (temp.)		
Agents.....do.....	1,600.00	2	2		
Agent.....do.....	1,550.00	1	1		
Agents.....do.....	1,500.00	17	3 (temp.)		
Agents.....do.....	1,440.00	2	1 (temp.)		
Agents.....do.....	1,400.00	4	2 (temp.)		
Agents.....do.....	1,320.00	3	1 (temp.)		
Agents.....do.....	1,300.00	6	3 (temp.)		
Agent.....do.....	1,260.00	1	1 (temp.)		
Agents.....do.....	1,200.00	34	21 (temp.)		
Agent.....do.....	1,155.00	1	1		
Agent.....do.....	1,110.00	1	1 (temp.)		
Agents.....do.....	1,100.00	2	1 (temp.)		
Agents.....do.....	1,080.00	4	4 (temp.)		
Agents.....do.....	1,000.00	15	15		
Agriculturist, scientific assistants, agents and collaborators, \$975 to \$1.....do.....		826	576 (485 temp.)		
Clerk †.....do.....	1,800.00	...	1		
Clerks †.....do.....	1,600.00	...	2		
Clerk.....do.....	1,400.00	...	1 (temp.)		
Clerk †.....do.....	1,200.00	...	1		
Clerk.....do.....	1,200.00	...	1		
Clerks †.....do.....	1,000.00	...	5		
Clerks, \$1,400, \$1,000, and \$900*.....do.....		...	7		
Clerks.....do.....	1,000.00	...	5 (3 temp.)		
Clerk †.....do.....	900.00	...	1		
Messengers and messenger boys †.....do.....	480.00	...	3		
Clerks, watchman, and messenger boys, \$900 to \$480 †.....do.....		10 (temp.)	12 (temp.)		
Wages:					
Laborers, \$480 to \$240.....do.....		30 (temp.)	33 (temp.)		
Salaries.....		\$476,700.00	\$410,984.86		
Wages.....		2,000.00	1,829.84		
Other objects of expenditure:					
Traveling expenses.....		61,000.00	36,179.86		
Equipment and material.....		3,800.00	4,331.89		
Miscellaneous items.....		11,300.00	19,066.98		
Total.....		554,800.00	472,393.43		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

- (30) For farmers' cooperative demonstrations and for the study and demonstration of the best methods of meeting the ravages of the cotton-boll weevil, including the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses, **[\$659,560]** \$650,140: *Provided*, That the expense of such service shall be defrayed from this appropriation and such cooperative funds as may be voluntarily contributed by State, county, and municipal agencies, associations of farmers, and individual farmers, universities, colleges, boards of trade, chambers of commerce, other local associations of business men, business organizations, and individuals within the State (*acts July 2, 1862, vol. 12, p. 503, sec 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1; Mar. 4, 1917, vol. 39, pp. 1159, 1160, sec. 1*).....\$650, 140. 00

NOTE.—There is an apparent decrease in this item of \$9,420, due to transfers to the statutory roll of this bureau amounting to \$8,720 and the transfer of one watchman at \$720 to the statutory roll of the Secretary's office.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Agriculturist and chief.....per annum.....	\$4,000.00	1	1		
Agriculturist and assistant chief.....do.....	3,500.00	1 (part time)	1 (part time)		
Agriculturists.....do.....	3,000.00	2	1		
Agriculturists.....do.....	2,760.00	3 (part time)	3 (part time)		
Agriculturist.....do.....	2,640.00	1 (part time)	1 (part time)		
Agriculturist.....do.....	2,580.00	1	1		
Agriculturist.....do.....	1,200.00	-----	1		
Expert.....do.....	4,500.00	-----	1 (temp.)		
Extension specialist.....do.....	2,400.00	1	1		
Extension specialist.....do.....	2,300.00	1	1		
Extension specialist.....do.....	2,250.00	1	1		
Extension specialist.....do.....	2,040.00	1	1		
Extension specialists.....do.....	1,800.00	4	4		
Scientific assistant.....do.....	1,980.00	1	1		
Executive assistants.....do.....	2,000.00	2 (new)	-----		
Agent.....do.....	2,400.00	-----	1 (temp.)		
Agent.....do.....	2,220.00	-----	1 (temp.)		
Agents.....do.....	2,200.00	1	3 (1 temp.)		
Agent.....do.....	2,100.00	1	-----		
Agent.....do.....	2,080.00	1	1		
Agents.....do.....	2,000.00	2 (1 temp.)	4 (2 temp.)		
Agent.....do.....	1,980.00	1	1		
Agent.....do.....	1,900.00	-----	1 (temp.)		
Agents.....do.....	1,800.00	6	8 (5 temp.)		
Agent.....do.....	1,750.00	1	1		
Agents.....do.....	1,740.00	-----	2 (temp.)		
Agent.....do.....	1,620.00	1	1		
Agent.....do.....	1,600.00	-----	1		
Agent.....do.....	1,560.00	-----	1 (temp.)		
Agents.....do.....	1,500.00	5	7 (2 temp.)		
Agent.....do.....	1,488.00	1	-----		
Agent.....do.....	1,400.00	-----	1		
Agent.....do.....	1,380.00	1	1		
Agent.....do.....	1,350.00	1	1		
Agent.....do.....	1,320.00	1	-----		
Agent.....do.....	1,300.00	1	1		
Agents.....do.....	1,250.00	1	2		
Agents.....do.....	1,200.00	16 (4 temp.)	18 (9 temp.)		
Agents.....do.....	1,140.00	1	3 (2 temp.)		
Agent.....do.....	1,120.00	-----	1 (temp.)		
Agents.....do.....	1,080.00	9 (5 temp.)	2 (temp.)		
Agent.....do.....	1,050.00	-----	1 (temp.)		
Agents.....do.....	1,020.00	4	-----		
Agent.....do.....	1,008.00	1	1 (temp.)		
Agents.....do.....	1,000.00	4	22 (16 temp.)		
Agents, collaborators, and clerks, \$840 to \$1.....do.....	-----	1,779 (539 temp.)	1,924 (1,259 temp.)		
Clerk †.....do.....	1,400.00	-----	1		
Clerk.....do.....	1,400.00	-----	1		
Clerks.....do.....	1,200.00	2 (new)	-----		
Clerks †.....do.....	1,000.00	-----	2		
Clerks.....do.....	1,000.00	3 (2 new)	1		
Clerk †.....do.....	900.00	-----	1		
Clerks, \$900 and \$840 *.....do.....	-----	-----	3		
Messenger †.....do.....	720.00	-----	1		
Charwoman †.....do.....	480.00	-----	1		
Clerks and messenger boys, \$900 to \$480.....do.....	-----	5 (temp.)	5 (temp.)		
Wages:					
Laborer.....do.....	1,000.00	-----	1 (temp.)		
Laborers.....do.....	300.00	30 (temp.)	33 (temp.)		
Salaries.....do.....	-----	\$520,000.00	\$537,215.98		
Wages.....do.....	-----	3,500.00	3,386.84		
Other objects of expenditure:					
Traveling expenses.....do.....	-----	101,100.00	97,204.11		
Equipment and material.....do.....	-----	3,800.00	2,932.92		
Miscellaneous items.....do.....	-----	11,740.00	14,413.81		
Total.....do.....	-----	650,140.00	655,154.66		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
General Expenses, States Relations Service—Continued.			
(31) To enable the Secretary of Agriculture to investigate and report upon the organization and progress of farmers' institutes and agricultural schools in the several States and Territories, and upon similar organizations in foreign countries, with special suggestions of plans and methods for making such organizations more effective for the dissemination of the results of the work of the Department of Agriculture and the agricultural experiment stations, and of improved methods of agricultural practice, including the employment of labor in the city of Washington and elsewhere, and all other necessary expenses (acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1–10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372–374, sec. 1; Mar. 4, 1917, vol. 39, pp. 1159, 1160, sec. 1) -----		\$20,600.00	
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Chief specialist.....per annum.....	\$2,580.00	1	1
Specialist.....do.....	2,400.00	1	1
Specialist.....do.....	2,220.00		1 (part time)
Specialists.....do.....	2,000.00	3 (1 new)	2
Specialist.....per diem.....	7.50	1 (temp.)	1 (temp.)
Scientific assistants.....per annum.....	1,980.00	1	2
Scientific assistant.....do.....	1,800.00		1
Clerks and collaborators, \$900 to \$1.....do.....		18 (2 temp.)	22 (6 temp.)
Salaries.....		\$15,040.00	\$15,131.37
Other objects of expenditure:			
Traveling expenses.....		2,500.00	2,535.95
Equipment and material.....		800.00	717.60
Miscellaneous items.....		2,260.00	1,093.15
Total.....		20,600.00	19,478.07
(32) To enable the Secretary of Agriculture to establish and maintain agricultural experiment stations in Alaska, Hawaii, Porto Rico, [and] the island of Guam, and the Virgin Islands of the United States, including the erection of buildings, the preparation, illustration, and distribution of reports and bulletins, and all other necessary expenses, [\$155,000] \$190,000, as follows: Alaska, [\$60,000] \$65,000, [of which sum \$10,000 shall be immediately available for the location, equipment, and maintenance of an agricultural experiment station in the Matanuska Valley]; Hawaii, [\$40,000] \$45,000; Porto Rico, [\$40,000] \$45,000; [and] Guam, [\$15,000] \$20,000; and the Virgin Islands of the United States, \$15,000; and the Secretary of Agriculture is authorized to sell such products as are obtained on the land belonging to the agricultural experiment stations in Alaska, Hawaii, Porto Rico, [and] the island of Guam, and the Virgin Islands of the United States: Provided, That of the sum herein appropriated for the experiment station in Hawaii [\$5,000] \$7,500 may be used in agricultural extension work in Hawaii (same acts) -----		190,000.00	
NOTE.—There is an increase in this item of \$35,000. It is proposed to expend this amount as follows:			
(a) \$5,000 for the Alaska stations, to be used in equipping and maintaining the experiment station at Matanuska, for remodeling the cattle barns on the Kodiak Islands, and for the employment of an extension agent.			
The tract set aside in the Matanuska Valley for the establishment of an experiment station is heavily timbered and entirely without improvements. Clearing must be done, buildings and fences constructed, and equipment, such as stock, implements, etc., purchased. The adjoining country for miles has been homesteaded, and the settlers are in need of information regarding crops, methods of cultivation, etc., which can be supplied only through the rapid development of the station.			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>		
<p>Tuberculosis has appeared among the heard of Galloway cattle at the Kodiak Island station. Bureau of Animal Industry experts have condemned the barns as unsanitary and have recommended that they be remodeled along sanitary lines. These improvements should be made at once, as the station has already lost a number of its most valuable cattle and prompt steps should be taken to protect the remaining animals.</p>		
<p>It is also desired to employ an extension agent in Alaska. During the past 15 years or more a considerable amount of information has accumulated regarding agricultural possibilities in Alaska, and it is essential that these facts be carried to the people by personal visitation and demonstrations, as many of them live several hundred miles from a station.</p>		
<p>(b) \$5,000 for the Hawaii station. This sum is needed in order to provide for the development of extension and demonstration work and to permit the undertaking of studies in connection with coffee and banana diseases and their control. The amount provided by Congress for extension work in Hawaii has been limited during the past three years to \$5,000 annually. At the present time Hawaii produces a relatively small proportion of the foodstuffs she consumes. It is proposed to employ an assistant to the superintendent of extension work and to assign him to one of the more important islands. In addition to the extension work, it is planned to extend the cooperative work with the War Department in forage production, in order that data obtained in plat experiments at Schofield Barracks may be given a field trial.</p>		
<p>(c) \$5,000 for the Porto Rico station, to be used for rice production investigations and citrus-scab control work. It is the opinion of the department's rice expert that at least one-half of the \$5,000 000 worth of rice imported annually by Porto Rico can be produced locally. Experimental work on varieties, time and rate of planting, water control, etc., should be conducted. The office of cereal investigations of the Bureau of Plant Industry is in a position to cooperate on this project, but for the work that the station will need to undertake about \$2 000 will be required. An additional plant pathologist is also needed to conduct investigations of citrus scab with a view to eliminate this serious menace to the citrus-fruit industry of Porto Rico. This industry has grown from exports of a few thousand dollars worth of wild fruit in 1905 to the shipment in 1916 of more than \$1,500,000 worth of oranges and grapefruit.</p>		
<p>(d) \$15,000 for the Guam station. This amount will provide for the employment of an entomologist and plant pathologist and an agricultural extension worker. Insect and fungous pests are abundant and destructive in Guam, but no study has been made of them or of means looking to their control. There should be added to the personnel of the station a man qualified to undertake these investigations and also to serve as an inspector to prevent the introduction of insect and fungous pests from other lands. Provision should be made for excluding certain serious plant pests of the Orient which are not known to be present in Guam and against which quarantines have been established. In order to make available to the people the results of the investigational work at the station, a man is needed to act as an extension and demonstration agent. The staff of the Guam station consists of only three men, whose time is wholly taken up with the work at headquarters. Although Guam is a small island, the people travel very little, and only an expert bringing visual evidence to them can induce them to change their practices.</p>		
<p>(e) \$15,000 for the Virgin Island station. This is a new item. The agronomist in charge of the Porto Rico station, at the request of the Navy Department, visited the Virgin Islands in June, 1917. His report shows the urgent necessity for undertaking work in the diversification of the agriculture of the islands. It is proposed to continue the work at the agricultural experiment station which has been maintained on St. Croix for the past eight years by the Danish authorities. The naval governor of the islands reports that the revenues of the islands are insufficient for the ordinary expenses and that there are no funds available for the furtherance of this work. Heretofore the Danish Government appropriated about \$8,000 annually for the work at the station. The station also made use of the funds derived from the sale of the products which it raised, amounting to from \$2,000 to \$7,000 annually. The present estimates are submitted at the request of the Navy Department, with which the Department of Agriculture will cooperate in the closest manner. The increase provided in the estimates for the maintenance of this station will provide for necessary repairs to buildings and the employment of additional expert assistance, so that problems of diversified agriculture may be given attention and the islands made somewhat more nearly self-supporting than is now the case.</p>		
<p>This paragraph has been amended by the insertion of new language relating to the establishment and maintenance of an experiment station on the Virgin Islands. The immediately available clause providing \$10 000 for the establishment and maintenance of an experiment station in the Matanuska Valley, Alaska, is omitted, as the work is now under way and the funds appropriated will probably be sufficient to carry the work through the fiscal year 1918. The amount of the proviso for extension work in Hawaii has been increased from \$5,000 to \$7,500, the necessity for this being explained in note (b) above.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>					
<i>Agricultural experiment station, Alaska.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,500.00	1	1		
Agents.....do.....	2,523.00	3	3		
Agent.....do.....	2,000.00	1	1		
Agent.....do.....	1,980.00	1 (new)	..		
Agent.....do.....	1,800.00	1	1		
Agent.....do.....	1,680.00	1	1 (temp.)		
Agents.....do.....	1,500.00	2	2 (1 temp.)		
Agent.....do.....	1,440.00	1	1		
Veterinary inspector.....do.....	2,250.00	..	1 (temp.)		
Wages:					
Miscellaneous temporary labor, \$7.50 to \$1.....per diem..		100	95		
Salaries.....		\$22,960.00	\$18,067.44		
Wages.....		23,000.00	15,532.56		
Other objects of expenditure:					
Traveling expenses.....		3,000.00	1,498.40		
Equipment and material.....		9,540.00	5,756.83		
Miscellaneous items.....		9,500.00	7,144.77		
Total.....		65,000.00	48,000.00		
<i>Agricultural experiment station, Hawaii.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,500.00	1	1		
Agronomist.....do.....	1,800.00	..	1 (temp.)		
Agronomist.....do.....	1,320.00	1	1		
Horticulturist.....do.....	2,400.00	1	1		
Horticulturist.....do.....	1,200.00	1	1		
Superintendent of extension.....do.....	2,220.00	1	1		
Assistant in extension.....do.....	1,920.00	1 (new)	..		
Chemist.....do.....	1,800.00	1	1		
Plant pathologist.....do.....	2,000.00	1	1		
Clerks.....do.....	1,500.00	1	2 (1 temp.)		
Clerks, messengers, and collaborators, \$900 to \$1.....do.....		9	6		
Wages:					
Temporary labor, \$2.50 to \$0.50.....per diem..		75	67		
Salaries.....		\$20,754.00	\$17,697.85		
Wages.....		16,500.00	14,573.78		
Other objects of expenditure:					
Traveling expenses.....		3,000.00	2,107.33		
Equipment and material.....		2,246.00	2,249.04		
Miscellaneous items.....		2,500.00	3,372.00		
Total.....		45,000.00	40,000.00		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>					
<i>Agricultural experiment station, Porto Rico.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,500.00	1	1		
Chemist.....do.....	2,700.00	1	1		
Chemist.....do.....	1,620.00	1	1		
Horticulturist.....do.....	2,400.00	1	1		
Horticulturist.....do.....	1,980.00	1	1		
Assistant in extension.....do.....	2,500.00	1	1		
Assistant in extension.....do.....	2,000.00	1	1		
Plant pathologist.....do.....	2,400.00	1	1 (temp.)		
Plant pathologist.....do.....	1,800.00	1 (new)	1		
Scientific assistant.....do.....	1,620.00	1	1		
Scientific assistants.....do.....	1,500.00	1	2		
Scientific assistant.....do.....	1,440.00	1	1		
Clerk.....do.....	1,440.00	1	1		
Wages:					
Temporary labor, \$2.50 to \$0.30.....per diem..		75	60		
Salaries.....		\$24,500.00	\$20,700.41		
Wages.....		10,500.00	10,200.09		
Other objects of expenditure:					
Traveling expenses.....		3,700.00	2,438.35		
Equipment and material.....		2,350.00	3,313.24		
Miscellaneous items.....		3,950.00	3,347.91		
Total.....		45,000.00	40,000.00		
<i>Agricultural experiment station, Guam.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Animal husbandman in charge.....per annum..	\$2,700.00	1	2 (1 temp.)		
Animal husbandman.....do.....	2,000.00	1	1 (temp.)		
Agent.....do.....	2,000.00	1	1 (temp.)		
Agent.....do.....	1,980.00	1	1		
Agent.....do.....	1,620.00	1	1		
Entomologist and pathologist.....do.....	1,920.00	1 (new)	1		
Assistant in extension.....do.....	1,920.00	1 (new)	1		
Wages:					
Temporary labor, \$2 to \$0.50.....per diem..		40	35		
Salaries.....		\$10,260.00	\$6,270.54		
Wages.....		5,000.00	4,376.64		
Other objects of expenditure:					
Traveling expenses.....		740.00	415.73		
Equipment and material.....		1,600.00	529.43		
Miscellaneous items.....		3,000.00	3,407.66		
Total.....		20,000.00	15,000.00		
<i>Agricultural experiment station, Virgin Islands.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.*		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Agronomist in charge.....per annum..	\$3,000.00	1 (new)	1		
Chemist.....do.....	1,800.00	1 (new)	1		
Assistant agronomist.....do.....	1,500.00	1 (new)	1		
Plant pathologist.....do.....	1,500.00	1 (new)	1		
Entomologist.....do.....	1,500.00	1 (new)	1		
Wages:					
Temporary labor, \$2.50 to \$0.50.....per diem..		10	10		
Salaries.....		\$9,300.00	8,100.00		
Wages.....		2,500.00	2,500.00		
Other objects of expenditure:					
Traveling expenses.....		500.00	500.00		
Equipment and material.....		1,300.00	1,300.00		
Miscellaneous items.....		1,400.00	1,400.00		
Total.....		15,000.00	15,000.00		

* No appropriation for fiscal year 1917.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1918.

General Expenses, States Relations Service—Continued.

- (33) To enable the Secretary of Agriculture to investigate the relative utility and economy of agricultural products for food, clothing, and other uses in the home, with special suggestions of plans and methods for the more effective utilization of such products for these purposes, with the cooperation of other bureaus of the department, and to disseminate useful information on this subject, including the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses **["\$35,000"]** (*acts July 2, 1862, vol. 12, p. 503, sec. 1; Mar. 2, 1887, vol. 24, p. 440, secs. 1-10; Mar. 16, 1906, vol. 34, p. 63, secs. 2, 3; May 8, 1914, vol. 38, pp. 372-374, sec. 1; Mar. 4, 1917, vol. 39, pp. 1159, 1160, sec. 1*) ----- **\$30,120.00**

NOTE.—There is an apparent decrease in this item of \$4,880, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chief home economic expert.....per annum..	\$3,300.00	1	1 part time)
Assistant chief expert.....do.....	3,000.00	1	1
Specialist.....do.....	2,700.00	1	1 (temp.)
Scientific assistant.....do.....	2,280.00	1	1
Scientific assistant.....do.....	1,980.00	1 (new)	..
Scientific assistants.....do.....	2,220.00	2	2
Scientific assistants.....do.....	2,040.00	1	2 (part time)
Scientific assistants.....do.....	1,800.00	3	3 (1 part time)
Scientific assistants.....do.....	1,620.00	3 (1 new)	2
Clerks †.....do.....	1,440.00	..	2
Clerk †.....do.....	1,200.00	..	1
Messenger boy †.....do.....	1,000.00	..	1
Clerks, messenger boys, student assistants, and collaborators, \$900 to \$300.....do.....	480.00	6	12 (7 temp.)
Salaries.....		\$27,360.00	\$20,802.76
Other objects of expenditure:			
Traveling expenses.....		550.00	429.96
Equipment and material.....		1,000.00	1,349.99
Miscellaneous items.....		1,210.00	1,534.40
Total.....		30,120.00	24,117.11

† Recommended for transfer to statutory roll in estimate for 1919.

- (34) For general administrative expenses connected with the lines of work of the States Relations Service, including the offices of the director, the chief clerk, the officers in charge of publications, library, accounts, records, supplies, and property, and for miscellaneous expenses incident thereto (*same acts*) ----- **15,680.00**

NOTE.—There is apparently no change in this item, but, taking into consideration transfers to the statutory roll amounting to \$6,700, the actual increase is \$6,700. Since the amount for this item was fixed at the present figure the number of employees in this service has increased from 1,965 to 3,500, necessitating increased expenditures for office equipment and supplies. The additional sum is required to provide for the normal growth of the publication and lantern-slide activities, the more satisfactory handling of supplies, the employment of temporary help, and for numerous other emergency expenses which must be met by the administrative branch of the bureau.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of act, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, States Relations Service—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Agricultural physicist..... per annum..	\$3,243.00	1 (part time)	1 (part time)		
Specialist in botany..... do.....	3,243.00	1 (part time)	1 (part time)		
Scientific assistant..... do.....	2,073.00	1 (part time)	1 (part time)		
Scientific assistant..... do.....	1,983.00	1 (part time)	1 (part time)		
Scientific assistant..... do.....	1,873.00	1 (part time)	1 (part time)		
Scientific assistant..... do.....	1,273.00	1 (part time)	1 (part time)		
Clerks †..... do.....	1,273.00	4	4		
Clerks..... do.....	1,073.00	2 (temp.)	1 (temp.)		
Clerks †..... do.....	1,073.00	2	2		
Lantern-slide colorist †..... do.....	973.00	1	1		
Clerks, messenger boy, and char- woman, \$900 to \$480*..... do.....		4	4		
Scientific assistants, clerks, and mes- senger boys, \$900 to \$480..... do.....		10 (temp.)	15 (14 temp.)		
Wages:					
Miscellaneous temporary labor— \$75 to \$21..... per month.....		12	14		
\$4 to \$3.50..... per diem.....		3	3		
Salaries.....		\$13,073.00	\$13,259.49		
Wages.....		1,103.00	1,102.51		
Other objects of expenditure:					
Traveling expenses.....		357.00	233.22		
Equipment and material.....		557.00	2,256.48		
Miscellaneous items.....		683.00	2,873.03		
Total.....		15,683.00	19,787.73		
* Transferred to statutory roll in Agricultural act for 1918.					
† Recommended for transfer to statutory roll in estimates for 1919.					
In all, for general expenses.....				\$2,969,840.00	\$2,972,580.00
Appropriations for 1903.....	\$843,070	Estimates for 1910.....	\$837,800		
Appropriations for 1910.....	863,890	Estimates for 1911.....	832,400		
Appropriations for 1911.....	862,400	Estimates for 1912.....	1,622,500		
Appropriations for 1912.....	¹ 1,592,500	Estimates for 1913.....	1,614,160		
Appropriations for 1913.....	1,599,160	Estimates for 1914.....	1,613,500		
Appropriations for 1914.....	1,613,500	Estimates for 1915.....	1,613,235		
Appropriations for 1915.....	1,613,500	Estimates for 1916.....	² 2,718,700		
Appropriations for 1916.....	² 2,718,700	Estimates for 1917.....	2,751,140		
Appropriations for 1917.....	2,812,110	Estimates for 1918.....	3,017,900		
Appropriations for 1918.....	2,972,580	Estimates for 1919.....	2,933,840		
¹ Includes \$723,000 previously carried in the Adams Act for additional aid to State experiment stations.					
² Includes \$1,073,240 for farmers' cooperative demonstrations previously carried in Plant Bureau.					
Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).					
GENERAL EXPENSES—STATES RELATIONS SERVICE.					
1 clerk, \$1,600 per annum.					
1 clerk, \$1,500 per annum.					
2 clerks, at \$1,400 per annum each.					
8 clerks, at \$1,200 per annum each.					
15 clerks, at \$1,000 per annum each.					
31 clerks, at \$900 per annum each.					
2 clerks, at \$840 per annum each.					
Total for States Relations Service.....				3,150,820.00	3,107,660.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p align="center">[OFFICE] BUREAU OF PUBLIC ROADS [AND RURAL ENGINEERING].</p> <p align="center">NOTE.—It is proposed to change the name of the Office of Public Roads and Rural Engineering to "Bureau of Public Roads." This change is in the interest of simplicity and convenience and is justified by the importance of the work and the size of the organization.</p>		
<p><i>Salaries, [Office] Bureau of Public Roads [and Rural Engineering]—</i></p>		
<p>(1) One director, who shall be a scientist and have charge of all scientific and technical work (<i>R. S.</i>, p. 87, <i>secs. 520–523; acts Mar. 3, 1905, vol. 33, p. 882, sec. 1; Mar. 4, 1917, vol. 39, p. 1160, sec. 1</i>)</p> <p>(2) One editor (<i>same acts</i>)</p> <p>(3) One draftsman or clerk (<i>same acts</i>)</p> <p>(4) One clerk (<i>same acts</i>)</p> <p>(5) One model maker (<i>same acts</i>)</p> <p>(6) Three clerks, class 4 (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)</p> <p>(7) Six clerks, class 3 (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)</p> <p>(8) One clerk or editorial clerk (<i>same acts</i>)</p> <p>(9) Two clerks, at \$1,500 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)</p> <p>(10) One clerk or photographer (<i>same acts</i>)</p> <p>(11) One clerk or instrument maker (<i>same acts</i>)</p> <p>(12) One clerk or tabulator (<i>same acts</i>)</p> <p>(13) One clerk, class 2 (<i>same acts</i>)</p> <p>(14) Two clerks, at \$1,380 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)</p> <p>(15) Two clerks, at \$1,320 each (<i>same acts</i>)</p> <p>(16) Four clerks, at \$1,260 each (<i>same acts</i>)</p> <p>(17) Six clerks, class 1 (<i>same acts</i>)</p> <p>(18) One clerk or editorial clerk (<i>same acts</i>)</p> <p>(19) One draftsman (<i>same acts</i>)</p> <p>(20) One clerk or draftsman (<i>same acts</i>)</p> <p>(21) One clerk or draftsman (<i>same acts</i>)</p> <p>(22) One clerk or photographer (<i>same acts</i>)</p> <p>(23) One clerk or photographer (<i>same acts</i>)</p> <p>(24) Two clerks, at \$1,140 each (<i>same acts</i>)</p>	<p>\$4, 500. 00</p> <p>2, 500. 00</p> <p>1, 920. 00</p> <p>1, 900. 00</p> <p>1, 800. 00</p> <p>5, 400. 00</p> <p>9, 600. 00</p> <p>1, 600. 00</p> <p>3, 000. 00</p> <p>1, 440. 00</p> <p>1, 440. 00</p> <p>1, 440. 00</p> <p>1, 400. 00</p> <p>2, 760. 00</p> <p>2, 640. 00</p> <p>5, 040. 00</p> <p>7, 200. 00</p> <p>1, 200. 00</p> <p>1, 320. 00</p> <p>1, 200. 00</p> <p>900. 00</p> <p>1, 200. 00</p> <p>1, 000. 00</p> <p>2, 280. 00</p>	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.</i>			
(25) Two clerks, at \$1,080 each (<i>R. S., p. 87, secs. 520-523; acts Mar. 3, 1905; vol. 33, p. 882, sec. 1; Mar. 4, 1917, vol. 39, p. 1160, sec. 1</i>)	\$2, 160. 00		
(26) One clerk (<i>same acts</i>)	1, 020. 00		
(27) Nine clerks, at \$1,000 each (increase of 1 by transfer from lump fund for road management) (<i>same acts</i>)	9, 000. 00		
(28) One clerk or skilled laborer (<i>same acts</i>)	1, 000. 00		
(29) Four clerks, at \$900 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)	3, 600. 00		
(30) One mechanician (<i>same acts</i>)	1, 680. 00		
(31) One clerk or instrument maker (<i>same acts</i>)	1, 200. 00		
(32) One lantern slide colorist (<i>same acts</i>)	1, 320. 00		
(33) One mechanic (<i>same acts</i>)	1, 200. 00		
(34) [One carpenter, \$1,200, transferred to statutory roll, Secretary's office.]			
(35) One skilled laborer (by transfer from lump fund for administrative expenses) (<i>same acts</i>)	1, 200. 00		
(36) One laboratory aid (<i>same acts</i>)	960. 00		
(37) One messenger, laborer, or laboratory helper (<i>same acts</i>)	840. 00		
(38) One messenger or laborer (<i>same acts</i>)	840. 00		
(39) Two messengers, laborers, or laboratory helpers, at \$720 each (<i>same acts</i>)	1, 440. 00		
(40) Two messengers or laborers, at \$660 each (<i>same acts</i>)	1, 320. 00		
(41) Six messengers, laborers, or messenger boys, at \$600 each (<i>same acts</i>)	3, 600. 00		
(42) One skilled laborer (<i>same acts</i>)	720. 00		
(43) One fireman (<i>same acts</i>)	720. 00		
(44) Eight laborers, messenger boys, or charwomen, at \$480 each (increase of 1 by transfer from lump fund for administrative expenses) (<i>same acts</i>)	3, 840. 00		
(45) Seven charwomen, at \$240 each (<i>same acts</i>)	1, 680. 00		
		\$104, 020. 00	\$95, 360. 00
Appropriations for 1909.....	\$12, 390	Estimates for 1910.....	\$16, 210
Appropriations for 1910.....	16, 460	Estimates for 1911.....	21, 260
Appropriations for 1911.....	21, 260	Estimates for 1912.....	34, 060
Appropriations for 1912.....	34, 020	Estimates for 1913.....	37, 940
Appropriations for 1913.....	37, 020	Estimates for 1914.....	54, 400
Appropriations for 1914.....	47, 400	Estimates for 1915.....	53, 000
Appropriations for 1915.....	52, 500	Estimates for 1916.....	75, 960
Appropriations for 1916.....	75, 960	Estimates for 1917.....	88, 880
Appropriations for 1917.....	88, 380	Estimates for 1918.....	98, 720
Appropriations for 1918.....	95, 360	Estimates for 1919.....	104, 020

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
Salaries, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.		
NOTE.—Apparent increase, \$8,660; actual decrease, \$1,200, as follows:		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 clerk, class 4, from administrative expenses.....	\$1, 800	
1 clerk, class 3, from administrative expenses.....	1, 600	
1 clerk, from administrative expenses.....	1, 500	
1 clerk, from administrative expenses.....	1, 380	
1 clerk, from road management.....	1, 000	
1 clerk, from administrative expenses.....	900	
1 skilled laborer, from administrative expenses.....	1, 200	
1 laborer, messenger boy, or charwoman, from administrative expenses.....	480	
	9, 860	
<i>Transfer to Secretary's office.</i>		
1 carpenter.....	\$1, 200	
Actual decrease.....	1, 200	
Apparent increase.....	8, 660	
General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—		
(46) For salaries and the employment of labor in the city of Washington and elsewhere, supplies, office fixtures, apparatus, traveling and all other necessary expenses, for conducting investigations and experiments, and for collating, reporting, and illustrating the results of same, and for preparing, publishing, and distributing bulletins and reports, as follows: <i>Provided</i> , That no part of these appropriations shall be expended for the rent or purchase of road-making machinery, except such as may be necessary for field experimental work as hereinafter provided for (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1; Mar. 4, 1917, vol. 39, pp. 1160, 1161, sec. 1</i>):		
(47) For inquiries in regard to systems of road management throughout the United States and for giving expert advice on this subject [\$41,040] (<i>same acts</i>).....		
	\$40, 040. 00	
NOTE.—There is an apparent decrease in this item of \$1,000, due to the transfer on one clerk at \$1,000 to the statutory roll.		
Employees.	Rate.	Estimated. 1919.
		Expended, 1917.
Salaries:		
Chief of management, in charge.....per annum..	\$3, 720. 00	1
Senior highway engineer.....do.....	3, 500. 00	1 (temp.)
Senior highway engineer.....do.....	3, 000. 00	1 (temp.)
Senior highway engineer.....do.....	2, 500. 00	1 (temp.)
Senior highway engineer.....do.....	2, 220. 00	1
Senior highway engineer.....do.....	2, 000. 00	1 (temp.)
Assistant in road economics.....do.....	2, 500. 00	1
Assistant in road economic investigations.....do.....	2, 280. 00	1
Engineer economist.....do.....	2, 400. 00	1
Engineer economist.....do.....	2, 160. 00	1
Engineer economist.....do.....	2, 160. 00	1
Engineer economist.....do.....	1, 920. 00	1
Highway engineer.....do.....	2, 000. 00	1
Highway engineer.....do.....	1, 800. 00	1
Highway engineer.....do.....	1, 740. 00	1
Junior highway engineer.....do.....	1, 500. 00	1
Consulting engineer in cost accounting.....per diem..	9. 00	1 (temp.)
Chief accountant.....per annum..	2, 400. 00	1 (temp.)
Assistant in road management.....do.....	1, 920. 00	1 (temp.)
Model maker.....do.....	1, 800. 00	1 (temp.)
Draftsman.....do.....	1, 260. 00	1
Lantern-slide colorist.....do.....	1, 320. 00	1 (temp.)
Editor *.....do.....	2, 500. 00	1
Clerk †.....do.....	1, 800. 00	1
Clerk †.....do.....	1, 600. 00	1
Clerk †.....do.....	1, 500. 00	1
Clerk †.....do.....	1, 000. 00	1
Clerk †.....do.....	900. 00	1
Watchman †.....do.....	720. 00	1
Messenger boy †.....do.....	480. 00	1
* Transferred to statutory roll in Agricultural act for 1918. † Recommended for transfer to statutory roll in estimates for 1919, from administrative fund, except 1 clerk at \$1,000.		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries—Continued.		Number.	Number.
Co'laborators, \$5 to \$1.50.....per diem.....		74 (temp.)	74 (temp.)
Agents, student assistants, messenger boys, and elevator conductor, \$900 to \$180.....per annum.....		--	19 (temp.)
Wages:			
Temporary laborers, \$1,000 to \$720.....do.....		2	3
Salaries.....		\$32,000.00	\$30,959.82
Wages.....		250.00	274.44
Other objects of expenditure:			
Traveling expenses.....		4,500.00	3,857.60
Equipment and material.....		2,250.00	2,343.86
Miscellaneous items.....		1,040.00	401.13
Total.....		40,040.00	37,836.85

- (48) For investigations of the best methods of road making, especially ordinary sand-clay and dirt roads, and the best kinds of road-making materials, and for furnishing expert advice on road building and maintenance [\$141,780] (acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1; Mar. 4, 1917, vol. 39, pp. 1160, 1161, sec. 1) \$141,060.00

NOTE.—There is an apparent decrease in this item of \$720, due to the transfer of one watchman at \$720 to the statutory roll of the Secretary's office.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Assistant director.....per annum.....	\$4,000.00	1 (part time)	1 (part time)
Assistant engineer.....do.....	3,500.00	1	1
General inspectors.....do.....	3,500.00	2	2
Senior highway engineer.....do.....	3,000.00	1	1
Senior highway engineers.....do.....	2,700.00	7	7
Senior highway engineers.....do.....	2,500.00	4	4
Senior highway engineers.....do.....	2,400.00	4	4
Senior highway engineers.....do.....	2,220.00	6	6
Senior highway engineers.....per diem.....	8.00	2 (temp.)	2 (temp.)
Highway engineers.....per annum.....	2,000.00	4	4 (3 part time)
Highway engineer.....do.....	1,800.00	1	1
Highway engineer.....do.....	1,680.00	--	1 (temp.)
Highway engineers.....do.....	1,500.00	2	2
Junior highway engineers.....do.....	1,440.00	3	3
Junior highway engineer.....do.....	1,380.00	1	1
Junior highway engineers.....do.....	1,200.00	4	4
Junior highway engineers.....do.....	1,080.00	6	6 (part time)
Junior highway engineer.....do.....	960.00	1	1
Senior highway bridge engineers.....do.....	3,300.00	2	2
Senior highway bridge engineer.....do.....	2,600.00	1	1
Highway bridge engineer.....do.....	2,100.00	1	1
Highway bridge engineer.....do.....	1,920.00	1	1
Highway bridge engineers.....do.....	1,800.00	2	2
Superintendent of road construction.....do.....	2,400.00	1	1
Superintendent of road construction.....do.....	2,100.00	1	1
Superintendent of road construction.....do.....	1,920.00	1	1 (part time)
Superintendents of road construction.....do.....	1,860.00	2	2
Superintendent of road construction.....do.....	1,740.00	1	1
Superintendent of road construction.....do.....	1,500.00	1	1
Estimator.....do.....	1,500.00	--	1 (temp.)
Engineer draftsman.....do.....	1,600.00	1	1
Engineers draftsman.....do.....	1,320.00	--	1 (temp.)
Draftsmen.....do.....	1,200.00	5 (temp.)	5 (temp.)
Chief of survey party.....do.....	1,800.00	1 (temp.)	1 (temp.)
Clerks, \$1,440 to \$900.....do.....	--	--	12 (temp.)
Clerk *.....do.....	1,000.00	--	1
Clerk †.....do.....	1,600.00	--	1
Clerk †.....do.....	1,380.00	--	1
Clerk †.....do.....	900.00	--	1
Collaborators.....per diem.....	5.00	6 (temp.)	6 (temp.)
Wages:			
Temporary laborers, \$720 to \$240....per annum.....		5	5
Salaries.....		\$105,000.00	\$98,743.63
Wages.....		500.00	206.67
Other objects of expenditure:			
Traveling expenses.....		24,000.00	22,665.17
Equipment and material.....		6,680.00	6,044.79
Miscellaneous items.....		4,880.00	5,462.62
Total.....		141,060.00	133,122.88

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919, from administrative fund.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.

Total amount to be appropriated under each head of appropriation.

Amount appropriated for the fiscal year ending June 30, 1918.

General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.

- (49) For investigations of the chemical and physical character of road materials (*acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1; Mar. 4, 1917, vol. 39, pp. 1160, 1161, sec. 1*) ----- \$51, 220. 00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chemical engineer, in charge..... per annum.. {	\$3, 840. 00	1	1
Mechanical engineer.....do..... {	3, 600. 00	1 (part time)	1 (part time)
Assistant mechanical engineer.....do..... {	3, 500. 00	1 (new)	1
Engineer of tests.....do..... {	2, 400. 00	1	1 (part time)
Assistant testing engineer.....do..... {	3, 250. 00	1 (new)	1
Assistant testing engineer.....do..... {	2, 400. 00	1	1
Assistant testing engineer.....do..... {	2, 000. 00	1 (new)	1
Highway engineer.....do..... {	1, 800. 00	1	1
Assistant chemist.....do..... {	2, 000. 00	1 (new)	1
Assistant chemist.....do..... {	1, 800. 00	1	1
Assistant chemist.....do..... {	1, 680. 00	1	1
Assistant chemists.....do..... {	1, 500. 00	2 (new)	1
Assistant in chemistry.....do..... {	1, 400. 00	1	1
Aid in chemistry.....do..... {	1, 170. 00	1	1
Laboratory aid*.....do..... {	1, 080. 00	1	1
Laboratory assistants, \$900 and \$720.....do..... {	960. 00	4 (new)	1
Laboratory apprentices, student assistants, and charwomen, \$900 to \$240.....do..... {		14 (temp.)	14 (temp.)
Wages:			
Carpenter and laborers, \$1,200 to \$600.....do..... {		3 (temp.)	3 (temp.)
Laborer*.....do..... {	600. 00	1	1
Salaries.....		\$40, 000. 00	\$26, 117. 35
Wages.....		320. 00	760. 00
Other objects of expenditure:			
Traveling expenses.....		1, 600. 00	1, 595. 58
Equipment and material.....		7, 900. 00	4, 404. 38
Miscellaneous items.....		1, 400. 00	2, 586. 56
Total.....		51, 220. 00	35, 463. 87

*Transferred to statutory roll in Agricultural act for 1918.

- (50) For conducting field experiments and various methods of road construction and maintenance, and investigations concerning various road materials and preparations; for investigating and developing equipment intended for the preparation and application of bituminous and other binders; for the purchase of materials and equipment; for the employment of assistants and labor; for the erection of buildings; such experimental work to be confined as nearly as possible to one point during the fiscal year (*same acts*) ----- 60, 000. 00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Engineer of tests..... per annum..	\$3, 250. 00	1	1 (part time)
Highway engineer.....do.....	2, 000. 00	1	1
Assistant mechanical engineer.....do.....	2, 000. 00	1	1
Assistant mechanical engineer.....do.....	1, 800. 00	1	1 (temp.)
Superintendent of road construction.....do.....	1, 920. 00	1	1 (part time)
Road patrolmen, \$1,050 to \$840.....do.....		4	4
Clerk*.....do.....	1, 600. 00	1	1
Student assistants and collaborators, \$25 per month to \$2..... per diem..		7 (temp.)	7 (temp.)
Salaries.....		\$8, 000. 00	\$7, 024. 93
Other objects of expenditure:			
Traveling expenses.....		1, 000. 00	3, 663. 47
Equipment and material.....		2, 000. 00	1, 118. 57
Miscellaneous items.....		600. 00	631. 38
Construction work.....		a 48, 400. 00	b 42, 835. 51
Total.....		60, 000. 00	55, 273. 86

*Transferred to statutory roll in Agricultural act for 1918.

aIt is impracticable at this time to make a detailed estimate of construction work for 1919.

bThis construction work was done as follows:

Alexandria-Acetoint road, built under cooperative agreement, 17,000 feet long by 14 feet wide, containing 23,445 square yards, at approximately 99 cents per square yard.....	\$26, 409. 06
Mount Vernon-Gum Springs road, 10,900 feet long by 16 feet wide, containing 19,378 square yards, at 11.1 cents per square yard.....	2, 149. 57
Chapawamsic Road, 19,200 feet long by 21 feet wide, containing 44,800 square yards, at approximately 30 cents per square yard, the department's share being.....	7, 394. 70
Alexandria-Gum Springs road, built under cooperative agreement, 57,793 square yards, at approximately 6.5 cents per square yard, the department's share being.....	2, 470. 92
Maintenance of roads in Montgomery County, Md., by cooperative agreement, 149,035 square yards, at approximately 8.4 cents per square yard, the department's share being.....	4, 411.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																																																				
General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.																																																																																																																																																																						
(51) For investigating and reporting upon the utilization of water in farm irrigation, including the best methods to apply in practice; the different kinds of power and appliances, and the development of equipment for farm irrigation; the flow of water in ditches, pipes, and other conduits; the duty, apportionment, and measurement of irrigation water; the customs, regulations, and laws affecting irrigation; for the purchase and installation of equipment for experimental purposes; for the giving of expert advice and assistance; for the preparation and illustration of reports and bulletins on irrigation; for the employment of assistants and labor in the city of Washington and elsewhere; for rent outside of the District of Columbia; and for supplies and all necessary expenses (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1; Mar. 4, 1917, vol. 39, pp. 1160, 1161, sec. 1</i>) -----	\$102,440.00																																																																																																																																																																					
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated. 1919.</th><th>Expended. 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Assistant director per annum ..</td><td>\$4,000.00</td><td>1 (parttime)</td><td>1 (parttime)</td></tr><tr><td>Chief, irrigation investigations.....do....</td><td>3,750.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation economist.....do.....</td><td>3,000.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in irrigation economics.....do....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Assistant in irrigation economics.....do....</td><td>1,620.00</td><td>1 (temp.)</td><td>1 (temp.)</td></tr><tr><td>Irrigation manager.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation manager.....do.....</td><td>1,500.00</td><td>1 (parttime)</td><td>1 (parttime)</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,400.00</td><td>2</td><td>2</td></tr><tr><td>Irrigation engineer.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation engineer.....do.....</td><td>2,280.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,220.00</td><td>4</td><td>4</td></tr><tr><td>Irrigation engineer.....do.....</td><td>2,160.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation engineers.....do.....</td><td>2,000.00</td><td>4</td><td>4 (3 temp.)</td></tr><tr><td>Irrigation engineers.....do.....</td><td>1,980.00</td><td>2</td><td>2</td></tr><tr><td>Irrigation engineer.....do.....</td><td>1,800.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Assistant irrigation engineers.....do.....</td><td>1,500.00</td><td>4</td><td>4</td></tr><tr><td>Assistant irrigation engineers.....do.....</td><td>1,320.00</td><td>2</td><td>2</td></tr><tr><td>Assistant irrigation engineers.....do.....</td><td>1,200.00</td><td>2</td><td>2</td></tr><tr><td>Senior drainage engineer.....do.....</td><td>2,400.00</td><td>1</td><td>1</td></tr><tr><td>Senior drainage engineer.....do.....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Drainage engineers.....do.....</td><td>1,800.00</td><td>2</td><td>2</td></tr><tr><td>Assistant drainage engineer.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Irrigation farmer.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Mechanician.....do.....</td><td>1,680.00</td><td>1</td><td>1 (temp.)</td></tr><tr><td>Agents and cooperative agents, \$5 and \$3..... per diem ..</td><td></td><td>18 (temp.)</td><td>18 (temp.)</td></tr><tr><td>Collaborators, \$8 to \$1.....do.....</td><td></td><td>15 (temp.)</td><td>15 (temp.)</td></tr><tr><td>Fireman*..... per annum ..</td><td>720.00</td><td>1</td><td>1</td></tr><tr><td>Charwoman*.....do.....</td><td>240.00</td><td>1</td><td>1</td></tr><tr><td>Clerk †.....do.....</td><td>1,500.00</td><td>1</td><td>1</td></tr><tr><td>Messenger boys and charwomen, \$480 to \$240.....do.....</td><td></td><td>6 (temp.)</td><td>6 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Temporary laborers.....do.....</td><td>600.00</td><td>2</td><td>2</td></tr><tr><td>Salaries.....</td><td></td><td>\$70,000.00</td><td>\$67,868.60</td></tr><tr><td>Wages.....</td><td></td><td>400.00</td><td>596.66</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>24,200.00</td><td>23,602.88</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,420.00</td><td>1,700.47</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>4,420.00</td><td>6,870.86</td></tr><tr><td>Total.....</td><td></td><td>102,440.00</td><td>100,639.47</td></tr></table>	Employees.	Rate.	Estimated. 1919.	Expended. 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Assistant director per annum ..	\$4,000.00	1 (parttime)	1 (parttime)	Chief, irrigation investigations.....do....	3,750.00	1	1	Irrigation economist.....do.....	3,000.00	1	1	Assistant in irrigation economics.....do....	1,800.00	1	1	Assistant in irrigation economics.....do....	1,620.00	1 (temp.)	1 (temp.)	Irrigation manager.....do.....	2,500.00	1	1	Irrigation manager.....do.....	1,500.00	1 (parttime)	1 (parttime)	Irrigation engineers.....do.....	2,400.00	2	2	Irrigation engineer.....do.....	2,400.00	1	1	Irrigation engineer.....do.....	2,280.00	1	1	Irrigation engineers.....do.....	2,220.00	4	4	Irrigation engineer.....do.....	2,160.00	1	1	Irrigation engineers.....do.....	2,000.00	4	4 (3 temp.)	Irrigation engineers.....do.....	1,980.00	2	2	Irrigation engineer.....do.....	1,800.00	1	1 (temp.)	Assistant irrigation engineers.....do.....	1,500.00	4	4	Assistant irrigation engineers.....do.....	1,320.00	2	2	Assistant irrigation engineers.....do.....	1,200.00	2	2	Senior drainage engineer.....do.....	2,400.00	1	1	Senior drainage engineer.....do.....	2,100.00	1	1	Drainage engineers.....do.....	1,800.00	2	2	Assistant drainage engineer.....do.....	1,440.00	1	1	Irrigation farmer.....do.....	1,440.00	1	1	Mechanician.....do.....	1,680.00	1	1 (temp.)	Agents and cooperative agents, \$5 and \$3..... per diem ..		18 (temp.)	18 (temp.)	Collaborators, \$8 to \$1.....do.....		15 (temp.)	15 (temp.)	Fireman*..... per annum ..	720.00	1	1	Charwoman*.....do.....	240.00	1	1	Clerk †.....do.....	1,500.00	1	1	Messenger boys and charwomen, \$480 to \$240.....do.....		6 (temp.)	6 (temp.)	Wages:				Temporary laborers.....do.....	600.00	2	2	Salaries.....		\$70,000.00	\$67,868.60	Wages.....		400.00	596.66	Other objects of expenditure:				Traveling expenses.....		24,200.00	23,602.88	Equipment and material.....		3,420.00	1,700.47	Miscellaneous items.....		4,420.00	6,870.86	Total.....		102,440.00	100,639.47		
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(52) For investigating and reporting upon farm drainage and upon the drainage of swamp and other wet lands which may be made available for agricultural purposes; for preparing plans for the removal of surplus water by drainage, and for giving expert assistance by advice or otherwise in the drainage of such lands; for conducting field experiments and investigations concerning the construction and maintenance of farm drainage work; for investigating and developing equipment intended for the construction and maintenance of farm drainage structures; for the purchase of materials and equipment; and for preparing and illustrating reports and bulletins on drainage; and for the employment of assistants and labor in the city of Washington and elsewhere; for rent outside of the District of Columbia, and for supplies and all necessary expenses (<i>same acts</i>) -----	93,760.00																																																																																																																																																																					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Assistant director.....per annum.....	\$4,000.00	1 (part time)	1 (part time)		
Chief of drainage investigations.....do.....	3,500.00	1	1		
Senior drainage engineers.....do.....	2,400.00	3	3		
Senior drainage engineers.....do.....	2,400.00	2	2		
Senior drainage engineers.....do.....	2,100.00				
Senior drainage engineer.....do.....	2,280.00	1	1		
Senior drainage engineer.....do.....	2,100.00				
Senior drainage engineer.....do.....	2,280.00	1	1		
Senior drainage engineer.....do.....	2,160.00	1	1		
Senior drainage engineers.....do.....	2,100.00	3	3		
Drainage engineer.....do.....	2,500.00	--	1 (temp.)		
Drainage engineer.....do.....	2,220.00	1	1		
Drainage engineers.....do.....	2,100.00	5	5		
Drainage engineer.....do.....	2,000.00	1	1		
Drainage engineer.....do.....	1,980.00	1	1		
Drainage engineers.....do.....	1,800.00	5 (2 temp.)	5 (2 temp.)		
Drainage engineers.....per diem.....	10.50	1 (temp.)	1 (temp.)		
Assistant drainage engineer.....per annum.....	1,440.00	2	2		
Junior drainage engineers.....do.....	1,200.00	3	3		
Junior drainage engineers.....do.....	1,080.00	6 (5 half time)	6 (5 half time)		
Junior drainage engineers.....do.....	960.00	3 (half time)	3 (half time)		
Irrigation engineer.....do.....	1,980.00	1	--		
Irrigation engineer and collaborator.....per diem.....	7.50	1 (temp.)	1 (temp.)		
Collaborators, \$25 to \$10.....per month.....	--	8 (temp.)	8 (temp.)		
Clerks, \$1,000 to \$900.....per annum.....	--	--	3 (temp.)		
Clerks †.....do.....	1,380.00	--	1		
Charwoman*.....do.....	240.00	--	1		
Wages:					
Laborer*.....do.....	720.00	--	1		
Temporary laborers, \$840 and \$720.....do.....	--	2	2		
Salaries.....		\$52,800.00	\$55,402.88		
Wages.....		100.00	1,013.33		
Other objects of expenditure:					
Traveling expenses.....		32,000.00	27,320.72		
Equipment and material.....		2,500.00	1,438.52		
Miscellaneous items.....		6,360.00	3,490.78		
Total.....		93,760.00	88,666.23		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919, from administrative fund.

- (53) For investigating farm domestic water supply and drainage disposal, the construction of farm buildings, and other rural engineering problems involving mechanical principles, including the erection of such structures outside of the District of Columbia as may be necessary for experimental purposes only, the employment of labor in the city of Washington and elsewhere, supplies, and all other necessary expenses, **[\$25,000]** \$60,900, of which \$35,900 shall be immediately available (acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1: Mar. 4, 1917, vol. 39, pp. 1160, 1161, sec. 1) ----- \$60,900.00

NOTE.—There is an increase in this item of \$35,900, which should be made available immediately upon the passage of the act. This sum is needed in order to quickly and adequately further the department's efforts looking to the development of efficient farm machinery. It is unnecessary to emphasize the importance of farm machinery in agricultural operations. The maximum efficiency can be attained only through the development of simple, standardized, and unusually efficient machinery. The tractor is receiving particular attention at this time because of its size and relative importance. Manufacturers are making concerted efforts to standardize the tractor and a thorough investigation of existing types should be made by a disinterested agency. In order to conduct this phase of the work, it will be necessary to install a specially designed testing plant at the Arlington farm. The increase recommended will permit the installation of such a plant and the employment of the requisite personnel for the conduct of a series of tests. The plant will occupy a part of the laboratory building on the Arlington farm, but the cost of its equipment was not included in the original estimates for the erection and equipment of this building.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.					
Employees.		Rate.	Estimated, 1919.	Expended, 1917.	
Salaries:			Number.	Number.	
Mechanical engineer, in charge.....per annum..	\$3,500.00	1 (part time)	1 (part time)		
Architect.....do.....	3,000.00	1 (new)	1		
Barn architect.....do.....	1,920.00	1	1		
Barn architect.....do.....	1,900.00	1	1		
Assistant architect in farm structure.....do.....	2,700.00	1	1		
Structural designer.....do.....	3,000.00	1 (new)	1		
Senior rural engineers (field).....do.....	2,700.00	4 (new)	4		
Rural engineers (field).....do.....	2,400.00	3 (new)	3		
Junior rural engineers (field)\$2,100 to \$1,800.....do.....		6 (new)	6		
Agricultural engineer.....do.....	2,500.00	1	1		
Hydraulic engineer.....do.....	2,000.00	1	1		
Assistant mechanical engineer.....do.....	2,900.00	1	1		
Assistant mechanical engineer.....do.....	1,800.00	1	1		
Assistant mechanical engineer.....do.....	1,600.00	1	1		
Assistant mechanical engineer.....do.....	1,800.00	1	1		
Assistant in rural engineering.....do.....	1,600.00	1	1		
Mechanical draftsmen.....do.....	1,500.00	2 (new)	2		
Structural draftsmen.....do.....	1,500.00	2 (new)	2		
Rural engineering draftsmen.....do.....	1,500.00	2 (new)	2		
Architectural draftsmen.....do.....	1,200.00	3 (new)	3		
Architectural draftsman.....do.....	1,000.00	1	1		
Architectural draftsman.....do.....	1,200.00	1	1		
Architectural draftsman.....do.....	900.00	1	1		
Salaries.....		\$39,505.00	\$17,572.24		
Other objects of expenditure:					
Traveling expenses.....		5,400.00	857.70		
Equipment and material.....		15,000.00	415.47		
Miscellaneous items.....		995.00	309.87		
Total.....		60,900.00	19,155.28		
(54) For general administrative expenses connected with the above-mentioned lines of investigations and experiments (<i>acts Mar. 3, 1905, vol. 33, pp. 882, 883, sec. 1; Mar. 4, 1917, vol. 39, pp. 1160, 1161, sec. 1</i>).....					
				\$16,000.00	
NOTE.—While there is apparently no change in the amount of this item, there is actually an increase of \$9,580, due to the transfer of certain employees to the statutory roll of this bureau, involving \$8,860, and the transfer of one watchman at \$720 to the statutory roll of the Secretary's office. The sum appropriated for general administrative expenses is small, and the increase requested will be barely sufficient to provide for the employment of additional clerks and temporary labor needed from time to time and for the purchase of necessary office equipment and supplies.					
Other objects of expenditure.		Estimated, 1919.	Expended, 1917.		
Stationery.....	\$3,000.00	\$2,948.88			
Traveling expenses.....	300.00	233.75			
Equipment and material.....	3,000.00	1,842.66			
Telegraph and telephone service.....	2,700.00	2,000.08			
Miscellaneous items.....	7,000.00	4,768.25			
Total.....	16,000.00	11,793.62			
(55) [For the erection and equipment of a laboratory building on the Arlington farm property of the United States Department of Agriculture for permanent quarters for the testing and research work of the Office of Public Roads and Rural Engineering, plans and specifications to be prepared and work done under the supervision of the Secretary of Agriculture, \$75,000.]					
NOTE.—This item is omitted as the objects authorized thereunder will be accomplished during the fiscal year 1918.					
In all, for general expenses.....				\$565,420.00	\$606,240.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, [Office] Bureau of Public Roads [and Rural Engineering]—Continued.</i>		
Appropriations for 1909..... \$75,000	Estimates for 1910..... \$110,240	
Appropriations for 1910..... 100,000	Estimates for 1911..... 92,980	
Appropriations for 1911..... 92,980	Estimates for 1912..... 131,840	
Appropriations for 1912..... 126,700	Estimates for 1913..... 189,456	
Appropriations for 1913..... 165,100	Estimates for 1914..... 331,840	
Appropriations for 1914..... 232,000	Estimates for 1915..... 341,390	
Appropriations for 1915..... 300,060	Estimates for 1916..... 597,700	
Appropriations for 1916..... 510,505	Estimates for 1917..... 523,625	
Appropriations for 1917..... 510,820	Estimates for 1918..... 611,240	
Appropriations for 1918..... 606,240	Estimates for 1919..... 565,420	
<i>Statement of clerks employed in the District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303.)</i>		
GENERAL EXPENSES—OFFICE OF PUBLIC ROADS AND RURAL ENGINEERING.		
1 editor, \$2,500 per annum.		
1 clerk, \$1,800 per annum.		
1 clerk, \$1,600 per annum.		
1 clerk, \$1,500 per annum.		
1 clerk, \$1,380 per annum		
2 clerks, at \$1,000 per annum each.		
1 clerk, \$900 per annum.		
Total for [Office] Bureau of Public Roads [and Rural Engineering]-----	\$669,440.00	\$701,600.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
BUREAU OF MARKETS.		
<i>Salaries, Bureau of Markets—</i>		
(1) One chief of bureau (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, p. 1162, sec. 1)---	\$4, 500. 00	
(2) One chief clerk (<i>same acts</i>)-----	2, 000. 00	
(3) One administrative assistant (<i>same acts</i>)-----	2, 500. 00	
(4) One clerk in charge of supplies and accounts (by transfer from lump fund for administrative expenses) (<i>same acts</i>)-----	2, 250. 00	
(5) One administrative assistant (<i>same acts</i>)-----	1, 980. 00	
(6) Seven clerks, class 4 (increase of 2, 1 by transfer from lump fund for marketing and distributing farm products and 1 from grain standardization, with change of title from executive clerk) (<i>same acts</i>)-----	12, 600. 00	
(7) Ten clerks, class 3 (<i>same acts</i>)-----	16, 000. 00	
(8) One clerk (by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>)-----	1, 440. 00	
(9) Twenty-six clerks, class 2 (increase of 11, 1 by transfer from lump fund for marketing and distributing farm products, 1 from collecting and distributing market information, 1 from State cooperation in marketing, 2 from administrative expenses, 1 from cotton-futures act, 4 from grain standards act, and 1 from warehouse act) (<i>same acts</i>)-----	36, 400. 00	
(10) One clerk (<i>same acts</i>)-----	1, 380. 00	
(11) One clerk (<i>same acts</i>)-----	1, 320. 00	
(12) One clerk (by transfer from lump fund for marketing and distributing farm products) (<i>same acts</i>)-----	1, 300. 00	
(13) Ninety-one clerks, class 1 (increase of 62, 9 by transfer from lump fund for marketing and distributing farm products, 6 from collecting and distributing market information, 8 from market reports on live stock and meats, 1 from food supply investigations, 1 from State cooperation in marketing, 2 from grain standardization, 1 from cotton-futures act, 32 from grain standards act, and 2 from warehouse act) (<i>same acts</i>)-----	109, 200. 00	
(14) One clerk (<i>same acts</i>)-----	1, 140. 00	
(15) Three clerks, at \$1,100 each (increase of 1 by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>)-----	3, 300. 00	
(16) Seventy-five clerks, at \$1,000 each (increase of 45, 9 by transfer from lump fund for marketing and distributing farm products, 12 from collecting and distributing market information, 4 from market reports on live stock and meats, 1 from cotton testing, 2 from rural cooperation, 4 from grain standardization, 1 from administrative expenses, 1 from cotton-futures act, and 11 from grain standards act) (<i>same acts</i>)-----	75, 000. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Markets—Continued.</i>		
(17) Five clerks, at \$1,080 each (increase of 2 by transfer from lump funds for marketing and distributing farm products and grain standards act) (<i>R. S.</i> , p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, p. 1162, sec. 1).....	\$5,400.00	
(18) Seven clerks, at \$1,020 each (increase of 5, 2 by transfer from lump fund for grain standardization, and 3 from grain standards act) (<i>same acts</i>).....	7,140.00	
(19) One clerk (by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>).....	960.00	
(20) Twenty-four clerks, at \$900 each (increase of 4, 1 by transfer from lump fund for cotton-futures act, and 3 from statutory roll, Bureau of Plant Industry) (<i>same acts</i>).....	21,600.00	
NOTE.—This change involves the transfer of three clerks at \$900 each from the statutory roll of the Bureau of Plant Industry, with a corresponding decrease in the latter roll. These employees are engaged upon work relating to the handling, transportation, and storage of fruits and vegetables which it is proposed to transfer from the Bureau of Plant Industry to the Bureau of Markets.		
(21) Three clerks, at \$840 each (<i>same acts</i>).....	2,520.00	
(22) Two clerks, at \$720 each (<i>same acts</i>).....	1,440.00	
(23) [One mechanical assistant, \$1,800, transferred to statutory roll, Secretary's office.]		
(24) One mechanical assistant (<i>same acts</i>).....	1,380.00	
(25) One laboratory helper (<i>same acts</i>).....	900.00	
(26) One laboratory aid (by transfer from statutory roll, Bureau of Plant Industry) (<i>same acts</i>).....	960.00	
NOTE.—This change involves the transfer of one laboratory aid at \$960 from the statutory roll of the Bureau of Plant Industry, with a corresponding decrease in the latter roll. The employee concerned is engaged on the work relating to the handling, transportation, and storage of fruits and vegetables which it is proposed to transfer from the Bureau of Plant Industry to the Bureau of Markets.		
(27) Three laboratory aids, at \$900 each (<i>same acts</i>).....	2,700.00	
(28) One laboratory aid (<i>same acts</i>).....	840.00	
(29) Seven laboratory aids, at \$720 each (<i>same acts</i>).....	5,040.00	
(30) [Two laboratory aids, at \$600 each, changed to 2 messenger boys or laborers, at \$600 each, as below.]		
NOTE.—See note under item 49.		
(31) One photographer (<i>same acts</i>).....	1,400.00	
(32) One photographer (<i>same acts</i>).....	1,200.00	
(33) One supervising telegrapher (<i>same acts</i>).....	1,620.00	
(34) One telegraph operator (<i>same acts</i>).....	1,400.00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Markets—Continued.</i>		
(35) Six telegraph operators, at \$1,200 each (increase of 4, 3 by transfer from lump fund for collecting and distributing market information, and 1 from market reports on live stock and meats) (<i>R. S.</i> , p. 87, secs. 520-523; <i>acts Mar. 4, 1913</i> , vol. 37, p. 854, sec. 1; <i>Mar 4, 1917</i> , vol. 39, p. 1162, sec. 1) -----	\$7, 200. 00	
(36) Seven telegraph operators, at \$1,080 each (5 by transfer from lump fund for collecting and distributing market information, and 2 from market reports on live stock and meats) (<i>same acts</i>) -	7, 560. 00	
(37) One telegraph operator (by transfer from lump fund for market reports on live stock and meats) (<i>same acts</i>) -----	1, 020. 00	
(38) One telephone operator (<i>same acts</i>) -----	600. 00	
(39) Two draftsmen, at \$1,200 each (by transfer from lump funds for grain standardization, Bureau of Markets, and pomological investigations, Bureau of Plant Industry) (<i>same acts</i>) -----	2, 400. 00	
NOTE.—This change involves the transfer of one draftsman, at \$1,200, from the lump fund for pomological investigations of the Bureau of Plant Industry, with a corresponding decrease in the latter item. The employee concerned is engaged upon the fruit transportation and storage work which it is proposed to transfer to the Bureau of Markets.		
(40) One draftsman (<i>same acts</i>) -----	900. 00	
(41) One map tracer (<i>same acts</i>) -----	900. 00	
(42) One map tracer (<i>same acts</i>) -----	720. 00	
(43) One map tracer (<i>same acts</i>) -----	600. 00	
(44) One map tracer (<i>same acts</i>) -----	480. 00	
(45) Two skilled laborers, at \$900 each (<i>same acts</i>) -----	1, 800. 00	
(46) One laborer (by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>) -----	840. 00	
(47) Two laborers, at \$720 each (increase of 1 by transfer from lump fund for marketing and distributing farm products) (<i>same acts</i>) --	1, 440. 00	
(48) Four laborers, at \$660 each (increase of 2 by transfer from lump funds for cotton testing and grain standards act) (<i>same acts</i>) - -	2, 640. 00	
(49) Seven messenger boys or laborers, at \$600 each (increase of 3, 1 by transfer from lump fund for collecting and distributing market information, and 2 in lieu of 2 laboratory aids at same salary, as above) (<i>same acts</i>) -----	4, 200. 00	
NOTE.—This change involves the substitution of 2 messenger boys or laborers at \$600 in lieu of 2 laboratory aids at \$600. It has been impossible to fill the places of laboratory aid at \$600. On the other hand, two additional messenger boys are needed and this substitution provides a way to secure their services without additional expense. If approved, it is proposed to fill the two places by original appointments.		
(50) Seven messenger boys or laborers, at \$540 each (increase of 3 by transfer from lump fund for cotton-futures act) (<i>same acts</i>) - - -	3, 780. 00	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Markets—Continued.</i>		
(51) Twenty messenger boys or laborers, at \$480 each (increase of 10, 1 by transfer from lump fund for marketing and distributing farm products, 1 from collecting and distributing market information, 1 from rural cooperation, 1 from State cooperation in marketing, 2 from grain standardization, 3 from cotton-futures act, and 1 from grain standards act) (<i>R. S., p. 87, secs. 520-523; acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, p. 1162, sec. 1</i>).....	\$9, 600. 00	
(52) Fourteen messenger boys, at \$420 each (increase of 12, 2 by transfer from lump fund for marketing and distributing farm products, 4 from collecting and distributing market information, 1 from market reports on live stock and meats, 1 from cotton standards investigations, 1 from state cooperation in marketing, 1 from administrative expenses, and 2 from grain standards act) (<i>same acts</i>).....	5, 880. 00	
(53) Two messenger boys, at \$360 each (increase of 1 by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>).....	720. 00	
(54) One messenger boy (by transfer from lump fund for collecting and distributing market information) (<i>same acts</i>).....	300. 00	
(55) One charwoman (<i>same acts</i>).....	540. 00	
(56) Five charwomen, at \$480 each (increase of 3, 2 by transfer from lump fund for grain standardization, and 1 from cotton-futures act) (<i>same acts</i>).....	2, 400. 00	
(57) Two charwomen, at \$300 each (increase of 1 by transfer from lump fund for cotton-futures act) (<i>same acts</i>).....	600. 00	
(58) Eight charwomen, at \$240 each (increase of 6, 1 by transfer from lump fund for marketing and distributing farm products, 2 from grain standardization, 1 from cotton-futures act, 1 from grain standards act, and 1 from warehouse act) (<i>same acts</i>).....	1, 920. 00	
Appropriations for 1915..... ⁽¹⁾ Estimates for 1916.....	\$51, 120	
Appropriations for 1916..... \$56, 400 Estimates for 1917.....	134, 980	
Appropriations for 1917..... 129, 880 Estimates for 1918.....	198, 420	
Appropriations for 1918..... 197, 820 Estimates for 1919.....	387, 850	
¹ Salaries paid from lump fund appropriation for Office of Markets.		
NOTE.—Apparent increase, \$190,030; actual increase, \$3,060, as follows:		
<i>Transfers from funds of Bureau of Plant Industry, which funds have been correspondingly reduced.</i>		
3 clerks, at \$900 each, from statutory roll.....	\$2, 700	
1 laboratory aid, from statutory roll.....	960	
1 draftsman, from pomological investigations.....	1, 200	
	\$4, 860	
<i>Transfer to statutory roll, Secretary's office.</i>		
1 mechanical assistant.....	1, 800	
Actual increase.....	3, 060	
	\$387, 850. 00	\$197,820.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Bureau of Markets—Continued.</i>		
<i>Transfers from lump funds of this bureau, which funds have been correspondingly reduced.</i>		
1 clerk in charge of supplies and accounts, from administrative expenses.....	\$2, 250	
2 clerks, class 4, 1 from marketing and distributing farm products, and 1 from grain standardization, with change of title from executive clerk.....	3, 600	
1 clerk, from collecting and distributing market information..	1, 440	
11 clerks, class 2, 1 from marketing and distributing farm products, 1 from collecting and distributing market information, 1 from State cooperation in marketing, 2 from administrative expenses, 1 from cotton-futures act, 4 from grain standards act, and 1 from warehouse act.....	15, 400	
1 clerk, from marketing and distributing farm products.....	1, 300	
62 clerks, class 1, 9 from marketing and distributing farm products, 6 from collecting and distributing market information, 8 from market reports on live stock and meats, 1 from food supply investigations, 1 from State cooperation in marketing, 2 from grain standardization, 1 from cotton-futures act, 32 from grain standards act, and 2 from warehouse act.....	74, 400	
1 clerk, from collecting and distributing market information..	1, 100	
45 clerks, at \$1,000 each, 9 from marketing and distributing farm products, 12 from collecting and distributing market information, 4 from market reports on live stock and meats, 1 from cotton testing, 2 from rural cooperation, 4 from grain standardization, 1 from administrative expenses, 1 from cotton-futures act, and 11 from grain standards act.....	45, 000	
2 clerks, at \$1,080 each, 1 from marketing and distributing farm products, and 1 from grain standards act.....	2, 160	
5 clerks, at \$1,020 each, 2 from grain standardization and 3 from grain standards act.....	5, 100	
1 clerk, from collecting and distributing market information..	960	
1 clerk, from cotton-futures act.....	900	
4 telegraph operators, at \$1,200 each, 3 from collecting and distributing market information, and 1 from market reports on live stock and meats.....	4, 800	
7 telegraph operators, at \$1,080 each, 5 from collecting and distributing market information, and 2 from market reports on live stock and meats.....	7, 560	
1 telegraph operator, from market reports on live stock and meats.....	1, 020	
1 draftsman, from grain standardization.....	1, 200	
1 laborer, from collecting and distributing market information..	840	
1 laborer, from marketing and distributing farm products.....	720	
2 laborers, at \$660 each, 1 from cotton testing and 1 from grain standards act.....	1, 320	
1 messenger boy or laborer, from collecting and distributing market information.....	600	
3 messenger boys or laborers, at \$540 each, from cotton-futures act.....	1, 620	
10 messenger boys or laborers, at \$480 each, 1 from marketing and distributing farm products, 1 from collecting and distributing market information, 1 from rural cooperation, 1 from state cooperation in marketing, 2 from grain standardization, 3 from cotton-futures act, and 1 from grain standards act.....	4, 800	
12 messenger boys, at \$420 each, 2 from marketing and distributing farm products, 4 from collecting and distributing marketing information, 1 from market reports on live stock and meats, 1 from cotton standard investigations, 1 from State cooperation in marketing, 1 from administrative expenses, and 2 from grain standards act.....	5, 040	
1 messenger boy, from collecting and distributing market information.....	360	
1 messenger boy, from collecting and distributing market information.....	300	
3 charwomen, at \$480 each, 2 from grain standardization and 1 from cotton-futures act.....	1, 440	
1 charwoman, from cotton-futures act.....	300	
6 charwomen, at \$240 each, 1 from marketing and distributing farm products, 2 from grain standardization, 1 from cotton-futures act, 1 from grain standards act, and 1 from warehouse act.....	1, 440	
	\$186, 970	
Apparent increase.....		190, 030

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1913.
<i>Salaries, Bureau of Markets—Continued.</i>		
<i>Change of title.</i>		
2 messenger boys or laborers, at \$600 each, in lieu of 2 laboratory aids, at \$600 each.		
<i>General Expenses, Bureau of Markets—</i>		
(59) For salaries and the employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and all other expenses necessary in conducting investigations, experiments, and demonstrations, as follows (<i>acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1</i>):		
(60) For acquiring and diffusing among the people of the United States useful information on subjects connected with the marketing and distributing of farm and nonmanufactured food products and the purchasing of farm supplies, independently and in cooperation with other branches of the department, State agencies, purchasing and consuming organizations, and persons engaged in the transportation, marketing, and distributing of farm and food products 【\$289,400】 (<i>same acts</i>) -----	\$292, 240. 00	
<p>NOTE.—There is an apparent increase in this subappropriation of \$2,840, but, taking into consideration transfers involving \$27,660 to the statutory roll of this bureau, the transfer of one clerk at \$1,200 to the Secretary's office, and the transfer of one draftsman at \$1,200 from the Bureau of Plant Industry to the statutory roll of the Bureau of Markets, for assignment to work under this item (in all, \$30,060), the actual increase is \$32,900. This increase includes \$20,320 transferred with the fruit handling, transportation, and storage investigations from the Bureau of Plant Industry. It is proposed to expend these additional funds as follows:</p> <p>\$12,580 for investigations relating to the marketing of live stock, meats, and animal by-products. The fact that the meat supply of the country has not kept pace with the Nation's growth makes it imperative that greater attention be given not only to increasing production but also to improving the distribution of live stock. The need for reliable and accurate information regarding the marketing of live stock, meats, and animal products is increasing. The additional funds recommended will provide for the conduct of the more important phases of the work during the fiscal year 1919.</p> <p>\$20,320 for fruit and vegetable handling, transportation, and storage investigations. This amount is transferred from the item for pomological investigations of the Bureau of Plant Industry. Some time ago, at the request of the Secretary of Agriculture, the Bureau of Plant Industry and the Bureau of Markets made a thorough study of the activities of the two bureaus in this field and submitted a report containing definite recommendations for the future handling of the work in connection with the transportation, storage, and handling of fruits and vegetables now carried on by the Bureau of Plant Industry. The two bureaus agreed that a considerable portion of the projects "Fruit handling and storage investigations" and "Vegetable handling and storage investigations" falls distinctly within the field of marketing as now defined in the work of the department, and recommended that the marketing features of these projects, together with the personnel engaged thereon, be transferred to the Bureau of Markets. This change is designed to prevent overlapping of work, to bring about closer coordination of the marketing activities of the department, and to secure the most effective results. The increase of \$20,320 in the appropriation of the Bureau of Markets for conducting this work is only apparent, as the funds of the Bureau of Plant Industry have been correspondingly decreased. This amount will not permit of any enlargement of the investigations, which will be continued on the same scale as heretofore.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Markets—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Specialist.....per annum..	\$3,500.00	1	1		
Specialist.....do.....	3,420.00	1	1		
Specialist.....do.....	3,000.00	1	1		
Specialist.....do.....	3,300.00	1	1		
Specialist.....do.....	3,000.00	1	1		
Specialist.....do.....	3,240.00	1	1		
Specialists.....do.....	3,000.00	3	3		
Specialist.....do.....	2,640.00	--	1		
Specialist.....do.....	2,640.00	1	1		
Specialists.....do.....	2,520.00	2	3 (1 temp.)		
Specialist.....do.....	2,400.00	--	1		
Specialist.....per diem..	10.00	--	1		
Investigator.....per annum..	2,640.00	1	1		
Investigator.....do.....	2,400.00	1	1		
Investigators.....do.....	2,500.00	3	2		
Investigators.....do.....	2,400.00	4 (new)	4		
Investigators.....do.....	2,100.00	2	2		
Investigator.....do.....	2,040.00	1	--		
Investigators.....do.....	2,000.00	2	2		
Investigators.....do.....	1,800.00	4	2		
Investigator.....do.....	1,620.00	1	--		
Assistant.....do.....	2,400.00	1	1 (part time)		
Assistant.....do.....	2,280.00	1	1		
Assistant.....do.....	2,040.00	1	1 (part time)		
Assistant.....do.....	2,280.00	1	1		
Assistant.....do.....	2,220.00	1	--		
Assistant.....do.....	2,200.00	1	1 (temp.)		
Assistant.....do.....	2,100.00	1	4 (1 part time)		
Assistants.....do.....	2,040.00	4	1		
Assistants.....do.....	2,000.00	2 (1 new)	--		
Assistant.....do.....	1,980.00	1	--		
Assistant.....do.....	1,920.00	1	1		
Assistant.....do.....	1,860.00	1	1		
Assistants.....do.....	1,620.00	7	17 (7 part time)		
Assistants.....do.....	1,800.00	9 (2 new)	11 (3 temp.)		
Assistant.....do.....	1,620.00	1	1		
Assistants.....do.....	1,400.00	2	1		
Assistants.....do.....	1,600.00	3	3		
Assistants.....do.....	1,500.00	3	2 (temp.)		
Assistants.....do.....	1,440.00	5 (new)	12 (3 temp.)		
Assistants.....do.....	1,400.00	8	1 (temp.)		
Assistant.....do.....	1,320.00	--	5 (1 temp.)		
Assistants.....do.....	1,200.00	8 (4 new)	1 (temp.)		
Structural engineer.....do.....	2,100.00	1	--		
Pomologist.....do.....	3,240.00	1	--		
Pomologist.....do.....	2,760.00	1	--		
Refrigeration technologist.....do.....	2,500.00	1	--		
Translator.....do.....	1,200.00	1 (new)	--		
Laboratory aid.....do.....	1,380.00	--	1 (temp.)		
Market station assistant.....do.....	1,620.00	1	--		
Market station assistants.....do.....	1,000.00	1	3 (2 part time)		
Agent.....do.....	1,260.00	1	--		
Agent.....do.....	1,020.00	1	--		
Agents, \$960 to \$500.....do.....	--	6	--		
Cotton classifier's helper.....do.....	1,200.00	1	--		
Clerk †.....do.....	1,200.00	--	1		
Clerks †.....do.....	1,000.00	--	13		
Clerks.....do.....	1,200.00	3 (new)	10 (temp.)		
Clerks †.....do.....	1,000.00	--	12		
Clerks.....do.....	1,000.00	5 (new)	7		
Clerks, \$1,200 to \$900 *.....do.....	--	--	31		
Telegraph operators, \$1,080 and \$1,000.....do.....	--	--	2 (temp.)		
Messenger boy †.....do.....	480.00	--	1		
Messenger boys †.....do.....	420.00	--	5		
Charwomen *.....do.....	420.00	--	3		
Charwomen †.....do.....	240.00	--	2		
Clerks, telegraph operators, messenger boys, charwomen, and collaborators, \$900 to \$240.....do.....	240.00	--	118 (temp.)		
Wages:					
Laborers, \$900 to \$540 *.....do.....	--	--	3		
Electricians and painters, \$4 to \$3.50 per diem.....do.....	--	--	4		
Salaries.....		\$192,000.00	\$147,444.63		
Wages.....			1,590.00		
Other objects of expenditure:					
Stationery.....		6,610.00	10,106.95		
Traveling expenses.....		60,830.00	48,071.76		
Equipment and material.....		11,655.00	12,598.55		
Telephone and telegraph service.....		2,480.00	9,863.93		
Miscellaneous items.....		18,665.00	14,667.23		
Total.....		292,240.00	244,343.05		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																																																																
General Expenses, Bureau of Markets—Continued.																																																																																																																																																																																		
(61) For collecting and distributing, by telegraph, mail, and otherwise, timely information on the supply, commercial movement, disposition, and market prices of fruits and vegetables [\$184,740] \$221,660 [of which sum \$40,000 shall be immediately available] (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1) -----		\$221,660.00																																																																																																																																																																																
<p>NOTE.—There is an apparent increase in this item of \$36,920, but, taking into consideration transfers to the statutory roll of this bureau amounting to \$37,360 and the transfer of 1 elevator conductor at \$720 to the statutory roll of the Secretary's office, the actual increase is \$75,000. During the crop season of 1916 reports were rendered on strawberries, peaches, cantaloupes, tomatoes, watermelons, Texas onions, eastern grapes, potatoes, and apples. During 1917, with the regular funds, and also with the funds made available by the food production act, the same crops are being reported and, in addition, the onion crop for the entire country, honey, asparagus, cabbage, sweet potatoes, cranberries, pears, lettuce, cauliflower, beans, southern yams, celery, Florida and Gulf coast citrus fruits, and pineapples. The reports for potatoes, apples, etc., will be rendered throughout the season. Permanent branch offices are being established in cities in the North from which reports are now received from the trade; in a number of Pacific coast cities, and in the more important Southern markets. The present leased wire service of the bureau is being expanded to include almost all the permanent branch offices. The number of market stations is being increased from 12 to 37. There have been 80 temporary field stations opened in producing areas for distributing information on specific crops. The increase recommended will provide for the maintenance of the six additional permanent branch offices which were opened in 1917, making a total of 18 permanent offices. It will also be possible to give a somewhat more complete field service on important crops than was rendered in 1916. It will, of course, not make possible the continuation of the great extension of the work that has been effected under the war emergency appropriation.</p> <p>The proviso making immediately available \$40,000 of the amount appropriated for the fiscal year 1918 under this subappropriation is omitted.</p>																																																																																																																																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Specialist.....per annum</td><td>\$3,000.00</td><td>Number. 1</td><td>Number. 1</td></tr><tr><td>Specialist.....do</td><td>2,460.00</td><td>—</td><td>1 (part time)</td></tr><tr><td>Assistant.....do</td><td>2,400.00</td><td>1 (new)</td><td>—</td></tr><tr><td>Assistant.....do</td><td>2,100.00</td><td>—</td><td>1 (part time)</td></tr><tr><td>Assistants.....do</td><td>2,040.00</td><td>4</td><td>4</td></tr><tr><td>Assistant.....do</td><td>2,020.00</td><td>1</td><td>1</td></tr><tr><td>Assistant.....do</td><td>1,980.00</td><td>1</td><td>1</td></tr><tr><td>Assistant.....do</td><td>1,800.00</td><td>4</td><td>5 (1 part time)</td></tr><tr><td>Assistants.....do</td><td>1,620.00</td><td>5</td><td>8 (3 part time)</td></tr><tr><td>Assistants.....do</td><td>1,440.00</td><td>2</td><td>3 (1 part time)</td></tr><tr><td>Assistants.....do</td><td>1,400.00</td><td>7 (2 new)</td><td>4 (1 part time)</td></tr><tr><td>Assistants.....do</td><td>1,200.00</td><td>5</td><td>6 (1 part time)</td></tr><tr><td>Investigator.....do</td><td>1,860.00</td><td>1</td><td>1</td></tr><tr><td>Investigator.....do</td><td>1,620.00</td><td>1</td><td>—</td></tr><tr><td>Market station assistant.....do</td><td>1,620.00</td><td>1</td><td>1</td></tr><tr><td>Market station assistant.....do</td><td>1,560.00</td><td>1</td><td>1</td></tr><tr><td>Market station assistants.....do</td><td>1,400.00</td><td>14</td><td>13</td></tr><tr><td>Market station assistants.....do</td><td>1,300.00</td><td>2</td><td>2</td></tr><tr><td>Market station assistants.....do</td><td>1,200.00</td><td>14</td><td>10</td></tr><tr><td>Market station assistants.....do</td><td>1,000.00</td><td>4</td><td>4</td></tr><tr><td>Market station assistant.....do</td><td>960.00</td><td>—</td><td>1 (part time)</td></tr><tr><td>Telegraph operators†.....do</td><td>1,200.00</td><td>—</td><td>2 (1 part time)</td></tr><tr><td>Telegraph operators.....do</td><td>1,200.00</td><td>5 (new)</td><td>2 (1 temp.)</td></tr><tr><td>Telegraph operators†.....do</td><td>1,080.00</td><td>—</td><td>7</td></tr><tr><td>Telegraph operators, \$1,200 and \$1,080*.....do</td><td>—</td><td>—</td><td>3</td></tr><tr><td>Telegraph operator†.....do</td><td>1,020.00</td><td>—</td><td>1</td></tr><tr><td>Clerks†.....do</td><td>1,000.00</td><td>—</td><td>9</td></tr><tr><td>Clerks, \$1,080 and \$1,000.....do</td><td>—</td><td>—</td><td>9 (temp.)</td></tr><tr><td>Clerks*.....do</td><td>900.00</td><td>—</td><td>8</td></tr><tr><td>Messenger boys, \$420 and \$36†*.....do</td><td>—</td><td>—</td><td>2</td></tr><tr><td>Messenger boys†.....do</td><td>420.00</td><td>—</td><td>3</td></tr><tr><td>Messenger boy†.....do</td><td>300.00</td><td>—</td><td>1</td></tr><tr><td>Clerks, messengers, and charwomen—</td><td></td><td></td><td></td></tr><tr><td> \$900 to \$240.....do</td><td>—</td><td>—</td><td>54 (temp.)</td></tr><tr><td> \$10 to \$4.....per week</td><td>—</td><td>—</td><td>6 (temp.)</td></tr><tr><td> \$3.50 to \$0.50.....per diem</td><td>—</td><td>—</td><td>18 (temp.)</td></tr><tr><td> \$0.25 to \$0.13.....per hour</td><td>—</td><td>—</td><td>2 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td> Laborer *.....per annum</td><td>660.00</td><td>—</td><td>1</td></tr><tr><td> Temporary laborers.....per month</td><td>25.00</td><td>—</td><td>16</td></tr><tr><td>Salaries.....</td><td></td><td>\$106,800.00</td><td>\$58,350.02</td></tr><tr><td>Wages.....</td><td></td><td></td><td>1,405.00</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Specialist.....per annum	\$3,000.00	Number. 1	Number. 1	Specialist.....do	2,460.00	—	1 (part time)	Assistant.....do	2,400.00	1 (new)	—	Assistant.....do	2,100.00	—	1 (part time)	Assistants.....do	2,040.00	4	4	Assistant.....do	2,020.00	1	1	Assistant.....do	1,980.00	1	1	Assistant.....do	1,800.00	4	5 (1 part time)	Assistants.....do	1,620.00	5	8 (3 part time)	Assistants.....do	1,440.00	2	3 (1 part time)	Assistants.....do	1,400.00	7 (2 new)	4 (1 part time)	Assistants.....do	1,200.00	5	6 (1 part time)	Investigator.....do	1,860.00	1	1	Investigator.....do	1,620.00	1	—	Market station assistant.....do	1,620.00	1	1	Market station assistant.....do	1,560.00	1	1	Market station assistants.....do	1,400.00	14	13	Market station assistants.....do	1,300.00	2	2	Market station assistants.....do	1,200.00	14	10	Market station assistants.....do	1,000.00	4	4	Market station assistant.....do	960.00	—	1 (part time)	Telegraph operators†.....do	1,200.00	—	2 (1 part time)	Telegraph operators.....do	1,200.00	5 (new)	2 (1 temp.)	Telegraph operators†.....do	1,080.00	—	7	Telegraph operators, \$1,200 and \$1,080*.....do	—	—	3	Telegraph operator†.....do	1,020.00	—	1	Clerks†.....do	1,000.00	—	9	Clerks, \$1,080 and \$1,000.....do	—	—	9 (temp.)	Clerks*.....do	900.00	—	8	Messenger boys, \$420 and \$36†*.....do	—	—	2	Messenger boys†.....do	420.00	—	3	Messenger boy†.....do	300.00	—	1	Clerks, messengers, and charwomen—				\$900 to \$240.....do	—	—	54 (temp.)	\$10 to \$4.....per week	—	—	6 (temp.)	\$3.50 to \$0.50.....per diem	—	—	18 (temp.)	\$0.25 to \$0.13.....per hour	—	—	2 (temp.)	Wages:				Laborer *.....per annum	660.00	—	1	Temporary laborers.....per month	25.00	—	16	Salaries.....		\$106,800.00	\$58,350.02	Wages.....			1,405.00		
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* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																												
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(62) To enable the Secretary of Agriculture to gather from stockmen, live-stock associations, State live-stock, and agricultural boards, common carriers, stock yards, commission firms, live-stock exchanges, slaughtering and meat-packing companies, and others information relative to the number of different classes and grades of marketable live stock, especially cattle, hogs, and sheep in the principal live-stock feeding districts and growing sections; prices, receipts, and shipments of the different classes and grades of cattle, hogs, and sheep at live-stock market centers; prices of meats and meat food products and the amounts of such products in storage; to compile and publish such information at such frequent intervals as most effectively to guide producers, consumers, and distributors in the sale and purchase of live stock, meats, and other animal products; and to gather and publish any related information pertaining to marketing and distribution of live stock, meats, and animal by-products, the sum of [\$66,800] (<i>acts Mar. 4, 1913, vol. 37, p. 854, sec. 1 Mar.; 4, 1917, vol. 39, pp. 1162, 1163, sec. 1</i>)... \$71,120.00																																																																																																																														
NOTE.—There is an apparent increase in this item of \$4,320, but, taking into consideration transfers to the statutory roll of this bureau involving \$18,400 and the transfer of a laborer or messenger boy at \$480 to the statutory roll of the Secretary's office, the actual increase is \$23,200. On account of the difficulty of getting this work under way, it was not possible to develop it to its maximum under the present appropriation until comparatively late in the fiscal year. In order to conduct the work in an effective manner for a full year on practically the same basis as planned for the current fiscal year, it is estimated that the increased appropriation requested will be required.																																																																																																																														
<table><tr><td>Employees.</td><td>Rate.</td><td>Estimated, 1919.</td><td>Expended, 1917.</td></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Specialist.....per annum..</td><td>\$3,000.00</td><td>..</td><td>1 (part time)</td></tr><tr><td>Assistant.....do....</td><td>2,400.00</td><td>1</td><td>3 (2 part time)</td></tr><tr><td>Assistant.....do....</td><td>2,040.00</td><td>1</td><td>1</td></tr><tr><td>Assistant.....do....</td><td>2,000.00</td><td>2</td><td>2</td></tr><tr><td>Assistant.....do....</td><td>1,800.00</td><td>3</td><td>7 (5 part time)</td></tr><tr><td>Assistant.....do....</td><td>1,620.00</td><td>1</td><td>2</td></tr><tr><td>Assistant.....do....</td><td>1,400.00</td><td>1 (new)</td><td>1 (part time)</td></tr><tr><td>Assistant.....do....</td><td>1,320.00</td><td>1 (new)</td><td>..</td></tr><tr><td>Assistant.....do....</td><td>1,200.00</td><td>1 (new)</td><td>..</td></tr><tr><td>Clerks†.....do....</td><td>1,200.00</td><td>..</td><td>6</td></tr><tr><td>Clerk†.....do....</td><td>1,200.00</td><td>{</td><td>1</td></tr><tr><td>Clerk.....do....</td><td>1,200.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerkst.....do....</td><td>1,000.00</td><td>..</td><td>2</td></tr><tr><td>Clerk.....do....</td><td>1,000.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Clerks, \$1,200 to \$900*.....do....</td><td>..</td><td>..</td><td>7</td></tr><tr><td>Clerks, \$900 to \$720.....do....</td><td>..</td><td>..</td><td>3 (temp.)</td></tr><tr><td>Charwoman†.....do....</td><td>240.00</td><td>..</td><td>1</td></tr><tr><td>Specialist and clerk, \$10 and \$3.....per diem..</td><td>..</td><td>..</td><td>2 (temp.)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Laborer.....per annum..</td><td>300.00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$19,380.00</td><td>\$23,622.80</td></tr><tr><td>Wages.....</td><td></td><td></td><td>200.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Stationery.....</td><td></td><td>10,500.00</td><td>3,033.29</td></tr><tr><td>Traveling expenses.....</td><td></td><td>6,800.00</td><td>6,253.10</td></tr><tr><td>Equipment and material.....</td><td></td><td>3,120.00</td><td>6,410.99</td></tr><tr><td>Telephone and telegraph service.....</td><td></td><td>25,000.00</td><td>8,931.07</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>6,320.00</td><td>4,016.17</td></tr><tr><td>Total.....</td><td></td><td>71,120.00</td><td>52,467.42</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Specialist.....per annum..	\$3,000.00	..	1 (part time)	Assistant.....do....	2,400.00	1	3 (2 part time)	Assistant.....do....	2,040.00	1	1	Assistant.....do....	2,000.00	2	2	Assistant.....do....	1,800.00	3	7 (5 part time)	Assistant.....do....	1,620.00	1	2	Assistant.....do....	1,400.00	1 (new)	1 (part time)	Assistant.....do....	1,320.00	1 (new)	..	Assistant.....do....	1,200.00	1 (new)	..	Clerks†.....do....	1,200.00	..	6	Clerk†.....do....	1,200.00	{	1	Clerk.....do....	1,200.00	..	1 (temp.)	Clerkst.....do....	1,000.00	..	2	Clerk.....do....	1,000.00	..	1 (temp.)	Clerks, \$1,200 to \$900*.....do....	7	Clerks, \$900 to \$720.....do....	3 (temp.)	Charwoman†.....do....	240.00	..	1	Specialist and clerk, \$10 and \$3.....per diem..	2 (temp.)	Wages:				Laborer.....per annum..	300.00	..	1 (temp.)	Salaries.....		\$19,380.00	\$23,622.80	Wages.....			200.00	Other objects of expenditure:				Stationery.....		10,500.00	3,033.29	Traveling expenses.....		6,800.00	6,253.10	Equipment and material.....		3,120.00	6,410.99	Telephone and telegraph service.....		25,000.00	8,931.07	Miscellaneous items.....		6,320.00	4,016.17	Total.....		71,120.00	52,467.42		
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*Transferred to statutory roll in Agricultural act for 1918.

†Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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General Expenses, Bureau of Markets—Continued.

- (63) To make investigation relating to the production, transportation, storage, preparation, marketing, manufacture, and distribution of agricultural food products, including the extent, manner, and methods of any manipulation of the markets or control of the visible supply of such food products or any of them by any individuals, groups, associations, combinations, or corporations **[\$50,000]** (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1) ----- \$48,800.00

NOTE.—There is an apparent decrease in this item of \$1,200, due to the transfer of one clerk, class 1, to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.*
Salaries:		Number.	Number.
Investigator.....per annum..	\$2,760.00	1	..
Supervisor.....do....	2,760.00	1	..
Field assistant.....do....	2,400.00	1	..
Assistant.....do....	2,040.00	1	..
Assistants.....do....	1,890.00	3	..
Assistant.....do....	1,620.00	1	..
Assistant.....do....	1,500.00	1	..
Assistant.....do....	1,400.00	1	..
Assistant.....do....	1,200.00	1	..
Clerk.....do....	1,200.00	1 (new)	..
Clerks.....do....	1,000.00	3 (new)	..
Salaries.....		\$25,284.00	
Other objects of expenditure:			
Stationery.....		1,000.00	
Traveling expenses.....		12,200.00	
Equipment and material.....		3,360.00	
Telephone and telegraph service.....		500.00	
Miscellaneous items.....		6,460.00	
Total.....		48,800.00	

* No appropriation for fiscal year 1917.

- (64) To enable the Secretary of Agriculture to investigate and certify to shippers and other interested parties the quality and condition of fruits, vegetables, and other food products when received at such important central markets as the Secretary of Agriculture may, from time to time, designate, subject to the payment of such reasonable fees and to such rules and regulations as he may prescribe, \$113,000: Provided, That the certificates issued by the authorized agents of the department shall be received in the courts of the United States as prima facie evidence of the quality and condition of the products so certified (submitted) ----- 113,000.00

NOTE.—Specific provision was made for this work in the food production act and \$101,700 was allotted for the purpose from the fund made available by that act. The work was not inaugurated until the middle of September, so that the estimate of \$113,000 does not provide for any expansion during the next fiscal year. The act authorizes the Secretary to investigate and certify to shippers the condition as to soundness of fruits, vegetables, and other food products when received at the principal central markets. Work has been inaugurated in some of the more important markets and will be extended to others as rapidly as practicable, covering 31 markets in all. It is contemplated that one inspector in each market will be able to handle the work except in the very large markets, such as New York, Chicago, Philadelphia, and Boston, where from two to four inspectors will be required. There is a great demand on the part of producers, transportation companies, and receivers for a service of this character, as it is believed that inspection certificates will furnish an equitable basis for the adjustment of claims and differences of opinion as to quality of commodities. It should prevent a large amount of waste by eliminating unjustifiable rejections which necessitate resales and consequent delays in placing the product in the hands of the consumer. It should establish and maintain confidence in those engaged in the business of marketing fruits and vegetables, the lack of which in many instances has discouraged production. It should result also in a distinct benefit to the consumer, in that it will tend to stimulate the production of certain highly perishable commodities which many

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Markets—Continued.</i>					
farmers heretofore have been unwilling to grow for distant markets because of the lack of a disinterested agency to give them a true report upon the condition of the product when received at the market. A further benefit should be derived from the better grading and preparation for market which the products should receive as a result of the educational feature of the service.					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.*		
Salaries:		Number.	Number.		
Inspectors.....per annum..	\$2,400.00	4	--		
Inspectors.....do.....	2,000.00	6	--		
Inspectors.....do.....	1,800.00	11	--		
Inspectors.....do.....	1,620.00	11	--		
Inspectors.....do.....	1,500.00	11	--		
Specialist.....do.....	3,000.00	1	--		
Salaries.....		\$78,720.00			
Other objects of expenditure:					
Stationery.....		1,000.00			
Traveling expenses.....		20,653.00			
Equipment and material.....		4,000.00			
Miscellaneous items.....		8,680.00			
Total.....		113,003.00			

* No appropriation for fiscal year 1917.

- (65) For investigating, demonstrating, and promoting the use of standards for the different grades, qualities, and conditions of cotton, and for investigating the ginning, grading, stapling, baling, marking, compressing, and tare of cotton, **[\$48,000]** \$45,920: *Provided*, That of the sum thus appropriated **[\$28,620]** \$26,960 may be used for testing the waste, tensile strength, and bleaching qualities of the different grades and classes of cotton in order to determine their spinning value and for demonstrating the results of such tests (*acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1*) **\$45,920.00**

NOTE.—There is an apparent decrease in this item of \$2,080, due to transfers to the statutory roll. Since \$1,660 of this sum was transferred from the project for cotton testing, the amount of the proviso is reduced accordingly.

Cotton standards investigations.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Technologist.....per annum..	\$3,600.00	--	1 (parttime)
Specialist.....do.....	3,000.00	1	--
Assistant.....do.....	2,760.00	1	1
Assistant.....do.....	2,280.00	--	1 (parttime)
Assistant.....do.....	2,040.00	--	1 (parttime)
Assistants.....do.....	1,800.00	--	3 (2 part time)
Assistants.....do.....	1,620.00	1	3 (2 part time)
Assistant.....do.....	1,440.00	--	1
Investigator.....do.....	2,100.00	--	1 (part time)
Clerks, * \$900 and \$720.....do.....		--	3
Messenger boy *.....do.....	540.00	--	1
Charwoman *.....do.....	300.00	--	1
Agent and student assistants.....per month..	25.00	--	4 (3 temp.)
.....per diem....	3.50	--	
Wages:			
Temporary laborer.....per month..	25.00	--	1
Salaries.....		\$7,380.00	\$13,712.33
Wages.....			25.00
Other objects of expenditure:			
Stationery.....		200.00	338.70
Traveling expenses.....		4,990.00	3,104.82
Equipment and material.....		5,090.00	129.23
Miscellaneous items.....		1,300.00	950.10
Total.....		18,960.00	18,260.18

* Transferred to statutory roll in Agricultural act for 1918.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Markets—Continued.</i>					
<i>Cotton testing.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Assistant.....per annum..	\$2,280.00	1	1		
Assistant.....do.....	2,040.00	1	1(parttime)		
Assistant.....do.....	2,040.00	4	3(parttime)		
Assistant.....do.....	1,620.00	1	1(parttime)		
Assistants.....do.....	1,500.00	1	1		
Assistants.....do.....	1,440.00	1	1		
Assistants.....do.....	1,200.00	1	1		
Mechanical assistant*.....do.....	1,380.00	1	1		
Clerks,* \$1,200 and \$900.....do.....	1,000.00	1	2		
Clerk.....do.....	1,000.00	1	1		
Special agents, \$5.75 and \$5.....per diem..	480.00	3 (temp.)	1		
Charwoman*.....per annum..	480.00	1	1		
Cotton classer's helpers and messenger boys, \$340 to \$420.....do.....			4		
Wages:					
Laborers, \$660 and \$300.....per annum..			2		
Salaries.....		\$10,200.00	\$11,274.97		
Wages.....			710.00		
Other objects of expenditure:					
Stationery.....		75.00	131.89		
Traveling expenses.....		6,700.00	3,202.91		
Equipment and material.....		9,033.00	162.79		
Miscellaneous items.....		952.00	10,393.94		
Total.....		26,960.00	25,876.50		

* Transferred to statutory roll in Agricultural act for 1918.

- (66) To enable the Secretary of Agriculture to make studies of cooperation among farmers in the United States in matters of rural credits and of other forms of cooperation in rural communities; to diffuse among the people of the United States useful information growing out of these studies, in order to provide a basis for a broader utilization of results secured by the research, experimental, and demonstration work of the Department of Agriculture, agricultural colleges, and State experiment stations **[\$30,760]** (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol 39, pp. 1162, 1163, sec. 1) **\$28,280.00**

NOTE.—There is an apparent decrease in this item of \$2,480, due to transfers to the statutory roll.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Specialist.....per annum..	\$3,780.00	1	1		
Investigator.....do.....	3,500.00	1	1		
Investigator.....do.....	2,760.00	1	1		
Investigator.....do.....	2,400.00	1	1		
Investigator.....do.....	2,000.00	1	1		
Assistants.....do.....	1,800.00	3 (1 new)	2		
Assistant.....do.....	1,620.00	1	1		
Assistant.....do.....	1,620.00	1	1		
Assistant.....do.....	1,400.00	1	1		
Assistant.....per month..	150.00	1	1		
Clerk†.....per annum..	1,200.00	1	1		
Clerk.....do.....	1,000.00	1	1 (temp.)		
Clerk†.....do.....	1,000.00	1	1		
Clerk†.....do.....	900.00	1	1		
Clerk†.....do.....	1,000.00	1	1		
Clerks,* \$1,200 to \$600.....do.....			12		
Telephone operator*.....do.....	600.00	1	1		
Messenger boys, \$480 and \$420.....do.....			2		
Agent.....do.....	600.00	1	1 (temp.)		
Clerks and collaborators, \$900 to \$1.....do.....			7 (temp.)		
Wages:					
Electrical wireman.....per diem..	4.00	1	1 (temp.)		
Salaries.....		\$19,580.00	\$21,825.52		
Wages.....			112.00		
Other objects of expenditure:					
Stationery.....		300.00	245.00		
Traveling expenses.....		6,370.00	5,231.97		
Equipment and material.....		1,045.00	502.35		
Miscellaneous items.....		985.00	435.91		
Total.....		28,280.00	28,352.75		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																																																
<i>General Expenses, Bureau of Markets—Continued.</i>																																																																																																																																																		
(67) To enable the Secretary of Agriculture to cooperate with the several States in the employment of agents to acquire and diffuse useful information connected with the distribution and marketing of farm products through investigational, demonstrational, or extension methods ["\$43,000"] (<i>acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1</i>) -----	\$61,500.00																																																																																																																																																	
<p>NOTE.—There is an apparent increase in this item of \$18,500, but, including \$3,500 transferred to the statutory roll, the actual increase is \$22,000. Cooperative marketing work has been under way for some time in 21 States. In 7 other States arrangements for the inauguration of similar work are in course of completion. With the increased appropriation requested it will be possible for the department to finance for a full year the work in 28 States and will provide more adequately for the conduct of the administrative work incident thereto.</p> <p>There is an increasing demand for cooperative work of this character. Each State has many marketing problems peculiar to its own local conditions, and in order that these problems may receive necessary attention it is essential that they be handled by some one thoroughly familiar with these conditions. As a general rule, the States contribute as much to the support of this work as the Federal Government, and sometimes a great deal more. Calls for assistance from State authorities in solving marketing problems have increased greatly during the past year, and States which have been slow in inaugurating investigations along marketing lines are now requesting assistance from the department. Besides rendering specific assistance in each State in which cooperation is undertaken, the department, through the activities of its field agents in marketing, is able to acquire much valuable information at a considerably lower cost than would be possible in any other way. A number of State legislatures have recently created bureaus of marketing and, in practically all cases, have provided that the work shall be conducted in cooperation with the Federal Department of Agriculture.</p>																																																																																																																																																		
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td colspan="4">Salaries:</td></tr><tr><td>Investigator.....per annum..</td><td>\$2,500.00</td><td><i>Number.</i> 1</td><td><i>Number.</i> 1(part time)</td></tr><tr><td>Specialists.....do.....</td><td>2,500.00</td><td>2 (new)</td><td>..</td></tr><tr><td>Assistant.....do.....</td><td>2,250.00</td><td>1 (new)</td><td>..</td></tr><tr><td>Field agent in marketing.....do.....</td><td>2,526.00</td><td>..</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>2,520.00</td><td>1</td><td>1(part time)</td></tr><tr><td>Field agent in marketing.....do.....</td><td>2,250.00</td><td>..</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>2,181.84</td><td>1</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>2,040.00</td><td>..</td><td>1(part time)</td></tr><tr><td>Field agents in marketing.....do.....</td><td>2,000.00</td><td>6 (new)</td><td>1</td></tr><tr><td>Field agents in marketing.....do.....</td><td>1,800.00</td><td>3</td><td>3</td></tr><tr><td>Field agent in marketing.....do.....</td><td>1,700.00</td><td>1</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>1,600.00</td><td>1</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>1,599.96</td><td>1</td><td>1(part time)</td></tr><tr><td>Field agents in marketing.....do.....</td><td>1,500.00</td><td>3</td><td>3</td></tr><tr><td>Field agent in marketing.....do.....</td><td>1,380.00</td><td>1</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>1,350.00</td><td>1</td><td>..</td></tr><tr><td>Field agents in marketing.....do.....</td><td>1,260.00</td><td>1</td><td>2(1part time)</td></tr><tr><td>Field agents in marketing.....do.....</td><td>1,200.00</td><td>2</td><td>2(1part time)</td></tr><tr><td>Clerks †.....do.....</td><td>1,400.00</td><td>..</td><td>3</td></tr><tr><td>Clerks †.....do.....</td><td>1,200.00</td><td>..</td><td>2</td></tr><tr><td>Clerk *.....do.....</td><td>720.00</td><td>..</td><td>1</td></tr><tr><td>Messenger boy †.....do.....</td><td>480.00</td><td>..</td><td>1</td></tr><tr><td>Charwoman *.....do.....</td><td>240.00</td><td>..</td><td>1</td></tr><tr><td>Agent, clerks, messengers, and collaborators, \$480 to \$300.....do.....</td><td>.....</td><td>1</td><td>8</td></tr><tr><td colspan="4">Wages:</td></tr><tr><td>Electrician's helper.....per diem..</td><td>2 00</td><td>..</td><td>1 (temp.)</td></tr><tr><td>Salaries.....</td><td></td><td>\$48,542.00</td><td>\$21,248.39</td></tr><tr><td>Wages.....</td><td></td><td></td><td>52.00</td></tr><tr><td colspan="4">Other objects of expenditure:</td></tr><tr><td>Stationery.....</td><td></td><td>500.00</td><td>1,109.68</td></tr><tr><td>Traveling expenses.....</td><td></td><td>7,700.00</td><td>3,513.02</td></tr><tr><td>Equipment and material.....</td><td></td><td>1,220.00</td><td>1,012.19</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>3,538.00</td><td>1,123.98</td></tr><tr><td>Total.....</td><td></td><td>61,500.00</td><td>28,059.26</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:				Investigator.....per annum..	\$2,500.00	<i>Number.</i> 1	<i>Number.</i> 1(part time)	Specialists.....do.....	2,500.00	2 (new)	..	Assistant.....do.....	2,250.00	1 (new)	..	Field agent in marketing.....do.....	2,526.00	..	1	Field agent in marketing.....do.....	2,520.00	1	1(part time)	Field agent in marketing.....do.....	2,250.00	..	1	Field agent in marketing.....do.....	2,181.84	1	1	Field agent in marketing.....do.....	2,040.00	..	1(part time)	Field agents in marketing.....do.....	2,000.00	6 (new)	1	Field agents in marketing.....do.....	1,800.00	3	3	Field agent in marketing.....do.....	1,700.00	1	1	Field agent in marketing.....do.....	1,600.00	1	1	Field agent in marketing.....do.....	1,599.96	1	1(part time)	Field agents in marketing.....do.....	1,500.00	3	3	Field agent in marketing.....do.....	1,380.00	1	1	Field agent in marketing.....do.....	1,350.00	1	..	Field agents in marketing.....do.....	1,260.00	1	2(1part time)	Field agents in marketing.....do.....	1,200.00	2	2(1part time)	Clerks †.....do.....	1,400.00	..	3	Clerks †.....do.....	1,200.00	..	2	Clerk *.....do.....	720.00	..	1	Messenger boy †.....do.....	480.00	..	1	Charwoman *.....do.....	240.00	..	1	Agent, clerks, messengers, and collaborators, \$480 to \$300.....do.....	1	8	Wages:				Electrician's helper.....per diem..	2 00	..	1 (temp.)	Salaries.....		\$48,542.00	\$21,248.39	Wages.....			52.00	Other objects of expenditure:				Stationery.....		500.00	1,109.68	Traveling expenses.....		7,700.00	3,513.02	Equipment and material.....		1,220.00	1,012.19	Miscellaneous items.....		3,538.00	1,123.98	Total.....		61,500.00	28,059.26		
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† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Markets—Continued.</i>					
(68) For investigating the handling, grading, and transportation of grain, including the grain sorghums, for the purpose of fixing definite grades thereof [\$106,590] (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1) ---- \$92,750.00					
NOTE.—There is an apparent decrease in this subappropriation of \$13,840, but, as employees with salaries aggregating this amount have been transferred to the statutory roll, there is actually no change.					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Technologist.....per annum..	\$3,750.00	1	1		
Specialist.....do.....	3,500.00	1	--		
Specialists.....do.....	2,760.00	2	--		
Specialist.....do.....	2,500.00	1	--		
Investigator.....do.....	2,500.00	1	--		
Supervisor.....do.....	3,000.00	--	1		
Supervisors.....do.....	2,500.00	1	2		
Supervisor.....do.....	2,000.00	--	1		
Scientific assistant.....do.....	2,040.00	--	1		
Scientific assistants.....do.....	1,620.00	2	4 (2 temp.)		
Scientific assistants.....do.....	1,500.00	--	2		
Scientific assistants.....do.....	1,440.00	--	2		
Assistant.....do.....	2,280.00	--	1		
Assistants.....do.....	2,040.00	1	2		
Assistant.....do.....	2,000.00	1	--		
Assistant.....do.....	1,860.00	--	1		
Assistants.....do.....	1,800.00	4	10		
Assistants.....do.....	1,620.00	8	3		
Assistants.....do.....	1,500.00	3	--		
Assistants.....do.....	1,440.00	2	--		
Assistant.....do.....	1,200.00	1	--		
Assistant.....do.....	1,000.00	1	--		
Agent.....do.....	1,600.00	1	--		
Aids.....do.....	1,620.00	--	2		
Aids.....do.....	1,440.00	--	3		
Aid.....do.....	1,400.00	--	1		
Aid.....do.....	1,320.00	--	1		
Aids.....do.....	1,200.00	3	4 (1 temp.)		
Aid.....do.....	900.00	1	--		
Clerk *.....do.....	1,200.00	--	1		
Clerks.....do.....	1,200.00	--	7 (5 temp.)		
Clerk.....do.....	1,080.00	--	1 (temp.)		
Clerks.....do.....	1,020.00	--	4 (1 temp.)		
Clerks.....do.....	1,000.00	--	7 (2 temp.)		
Draftsman.....do.....	1,200.00	--	1 (temp.)		
Library assistant.....do.....	1,000.00	--	1		
Clerks and laboratory aid * \$900 and \$840.....do.....	--	--	3		
Student assistants, messenger boys, collaborators, watchman, and charwoman, \$900 to \$1.....do.....	--	--	31 (6 temp.)		
Wages:					
Electricians and cabinetmakers.....per diem..	4.00	--	4 (temp.)		
Miscellaneous temporary labor—					
\$480 and \$240.....per annum..	--	1	2		
\$25.....per month..	--	--	4 (temp.)		
\$0.20.....per hour..	--	--	3 (2 temp.)		
Salaries.....		\$63,630.00	\$57,788.72		
Wages.....			1,567.28		
Other objects of expenditure:					
Stationery.....		1,255.00	1,487.82		
Traveling expenses.....		17,600.00	6,740.40		
Equipment and material.....		3,908.00	9,864.44		
Miscellaneous items.....		6,357.00	5,725.14		
Total.....		92,750.00	83,173.80		

*Transferred to statutory roll in Agricultural act for 1918.

- (69) To enable the Secretary of Agriculture to carry into effect the act entitled "An act to fix standards for Climax baskets for grapes and other fruits and vegetables, and to fix standards for baskets and other containers for small fruits, berries, and vegetables, and for other purposes," approved August thirty-first, nineteen hundred and sixteen, including the employment of such persons and means as the Secretary of Agriculture may deem necessary, in the city of Washington and elsewhere **[\$4,000]** (same acts) ----- 5,000.00

NOTE.—There is an increase in this item of \$1,000. The present appropriation was sufficient for the fiscal year 1918, as the standard-basket act did not become operative until November, 1917. In order to enforce the provisions of the act through an entire fiscal year the additional sum recommended will be necessary.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Bureau of Markets—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.*		
Salaries:		Number.	Number.		
Investigator..... per annum..	\$2,400.00	1	..		
Salaries.....		\$2,400.00			
Other objects of expenditure:					
Stationery.....		50.00			
Travelling expenses.....		2,000.00			
Equipment and material.....		200.00			
Telephone and telegraph service.....		75.00			
Miscellaneous items.....		275.00			
Total.....		5,000.00			

* No appropriation for fiscal year 1917.

- 70) For general administrative expenses in connection with the lines of investigation, experiment, and demonstration conducted in the Bureau of Markets **[\$20,105]** (acts Mar. 4, 1913, vol. 37, p. 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1162, 1163, sec. 1)..... \$23,530.00

NOTE.—There is an apparent increase in this item of \$3,425, but, taking into consideration transfers to the statutory roll involving \$6,470, the actual increase is \$9,895. The present appropriation will be insufficient to defray expenses properly chargeable against it during the fiscal year 1919. The increase in the appropriations of the bureau necessarily requires a corresponding increase in administrative expenses and additional funds are needed to provide adequately for supplies, office equipment, furniture, etc.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Chief*..... per annum..	\$4,500.00	..	1
Assistant chief..... do...	4,000.00	1	1
Assistant*..... do...	2,500.00	..	1
Assistant..... do...	2,040.00	1	..
Assistant..... do...	1,800.00	1	1
Assistant..... do...	1,440.00	1	..
Photographer*..... do...	1,200.00	..	1
Clerk†..... do...	1,400.00	..	1
Clerk†..... do...	1,200.00	..	1
Clerk..... do...	1,200.00	..	1 (part time)
Clerks†..... do...	1,000.00	..	2
Clerks,* \$1,600 to \$1,000..... do...	6
Clerk..... do...	1,000.00	..	1 (temp.)
Telephone operator*..... do...	600.00	..	1
Messenger boys,* \$480 and \$420..... do...	2
Charwoman†..... do...	300.00	..	1
Charwoman*..... do...	240.00	..	1
Clerks, messengers, and charwomen, \$900 to \$240..... do...	8 (temp.)
Wages:			
Laborers, \$900 and \$720 *..... do...	2
Temporary laborers..... per month..	\$30.00	..	2
Salaries.....		\$9,280.00	\$11,132.50
Wages.....			780.00
Other objects of expenditure:			
Stationery.....		1,000.00	859.23
Travelling expenses.....		3,000.00	985.64
Equipment and material.....		6,000.00	3,348.05
Telephone and telegraph service.....		500.00	530.52
Miscellaneous items.....		3,750.00	1,642.86
Total.....		23,530.00	19,278.80

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimated for 1919.

In all, for general expenses..... \$1,003,800.00 \$843,395.00

Appropriations for 1914.....	\$50,000	Estimates for 1915.....	\$194,140
Appropriations for 1915..... ¹	240,000	Estimates for 1916.....	376,595
Appropriations for 1916.....	352,650	Estimates for 1917.....	579,421
Appropriations for 1917.....	621,960	Estimates for 1918.....	808,995
Appropriations for 1918.....	843,395	Estimates for 1919.....	1,003,800

¹ Includes investigation of rural cooperation, \$40,000.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Enforcement of the United States Cotton-Futures Act—</i>		
(71) To enable the Secretary of Agriculture to carry into effect the provisions of the United States cotton-futures act, including all expenses necessary for the purchase of equipment and supplies; for travel; for the employment of persons in the city of Washington and elsewhere; and for all other expenses, including rent outside of the District of Columbia, that may be necessary in executing the provisions of this act, [\$98,600] \$88,580 (<i>acts May 23, 1908, vol. 35, p. 256, sec. 1; June 30, 1914, vol. 38, p. 422, sec. 1; Aug. 18, 1914, vol. 38, pp. 693-698, secs. 1-21; Mar. 4, 1915, vol. 38, p. 1112, sec. 1; Mar. 4, 1917, vol. 39, p. 1163, sec. 1</i>)	\$88, 580. 00	\$98, 600. 00

NOTE.—There is an apparent decrease in this item of \$10,020, but, taking into consideration transfers to the statutory roll of this bureau involving \$8,580 and the transfer of 2 watchmen at \$720 each to the statutory roll of the Secretary's office, there actually is no change.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Technologist.....per annum.....	\$3, 600. 00	1	1(part time)
Technologist.....do.....	3, 000. 00	1	1(temp.)
Specialists.....do.....	3, 000. 00	1	3
Specialist.....do.....	2, 640. 00	1	1
Specialists.....do.....	2, 760. 00	2	1
Specialist.....do.....	2, 500. 00	1	1
Specialist.....do.....	2, 400. 00	1	1
Assistants.....do.....	2, 760. 00	1	2(1 part time)
Assistant.....do.....	2, 640. 00	1	1
Assistants.....do.....	2, 400. 00	2	2
Assistant.....do.....	2, 100. 00	1	1
Assistant.....do.....	2, 250. 00	1	1
Assistant.....do.....	2, 100. 00	1	1
Assistant.....do.....	2, 000. 00	1	1
Assistant.....do.....	1, 920. 00	1	1
Assistants.....do.....	1, 800. 00	1	2
Assistant.....do.....	1, 400. 00	1	1
Assistant.....do.....	1, 800. 00	1	1
Assistants.....do.....	1, 620. 00	3	3
Assistant.....do.....	1, 400. 00	1	1
Assistants.....do.....	1, 620. 00	2	2
Assistant.....do.....	1, 440. 00	1	1
Assistant.....do.....	1, 500. 00	1	1
Assistant.....do.....	1, 440. 00	1	1
Assistant.....do.....	1, 200. 00	1	1
Administrative assistant *.....do.....	1, 980. 00	1	1
Supervising telegrapher *.....do.....	1, 620. 00	1	1(part time)
Investigator.....do.....	2, 520. 00	1	1(part time)
Telegraph operator *.....do.....	1, 400. 00	1	1
Photographer.....do.....	1, 400. 00	1	1
Clerks †.....do.....	1, 400. 00	2	2
Clerk †.....do.....	1, 000. 00	1	1
Clerks, \$1,400 to \$900 *.....do.....	1, 000. 00	7	7
Clerks, \$1,200 to \$1,000.....do.....	1, 000. 00	3	3(temp.)
Messenger †.....do.....	480. 00	1	1
Messengers *.....do.....	420. 00	2	2
Map tracer *.....do.....	480. 00	1	1
Charwoman †.....do.....	240. 00	1	1
Clerks, messengers, cotton classifier's helpers and watchman, \$900 to \$300.....do.....	240. 00	2	12(7 temp.)
Wages:			
Laborers, \$540 and \$480 †.....do.....		2	2
Laborers, \$660 to \$480*.....do.....		7	7
Temporary laborers.....do.....		16	16
Salaries.....		\$42, 240. 00	\$44, 422. 63
Wages.....			3, 099. 16
Other objects of expenditure:			
Stationery.....		2, 100. 00	452. 87
Traveling expenses.....		10, 000. 00	5, 715. 57
Equipment and material.....		24, 460. 00	977. 71
Telephone and telegraph service.....		3, 450. 00	1, 076. 92
Miscellaneous items.....		6, 330. 00	24, 449. 71
Total.....		\$88, 580. 00	\$80, 194. 57

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Appropriation for 1916.....	\$75, 000	Estimate for 1917.....	\$120, 750
Appropriation for 1917.....	120, 750	Estimate for 1918.....	98, 600
Appropriation for 1918.....	98, 600	Estimate for 1919.....	88, 580

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Enforcement of the United States Grain Standards Act—</i>		
<p>(72) To enable the Secretary of Agriculture to carry into effect the provisions of the United States grain standards act, including such rent and the employment of such persons and means as the Secretary of Agriculture may deem necessary, in the city of Washington and elsewhere, [\$519,140] <i>\$456,580: Provided, That Section 6 of the said Act is hereby amended, effective on and after the passage of this Act, by striking out of the first sentence the words "sold, offered for sale, or consigned for sale, or which has been shipped, or delivered for shipment in interstate or foreign commerce shall have been inspected," and substituting therefor the words "shall have been inspected by an inspector licensed under the Act," and by striking out of the last sentence the words "made after the parties in interest have had opportunity to be heard" (acts Aug. 11, 1916, vol. 39, pp. 482-485, secs. 1-12; Mar. 4, 1917, vol. 39, p. 1163, sec. 1)-----</i></p>	\$456, 580. 00	\$519, 140.00
<p>NOTE.—There is an apparent decrease in this item of \$62,560, but, taking into consideration transfers to the statutory roll of this bureau involving \$61,360 and the transfer of 1 clerk at \$1,200 to the statutory roll of the Secretary's office, there is actually no change.</p> <p>A proviso has been added to the paragraph amending section 6 of the United States grain standards act of August 11, 1916. The purpose of the proposed amendment is to remove certain limitations which have prevented the Secretary of Agriculture from entertaining jurisdiction in many appeals, which might otherwise have been heard, from inspections made by licensed inspectors, and generally to simplify the procedure in taking and hearing appeals under the act. Under the present language of the act, before findings may be issued in any appeal, it is essential that the papers filed should show satisfactorily that the grain involved was sold, offered for sale, consigned for sale, shipped, or delivered for shipment in interstate or foreign commerce. This is true, notwithstanding the fact that in other cases the appellant has a financial interest in the grain, that the grain has been inspected and graded by a licensed inspector according to the official grain standards, that the appellant believes the inspector's determination to be erroneous, and perhaps that there is not available to the appellant any means short of litigation for obtaining a review of the licensed inspector's determination. It is thought that whenever an inspector, licensed under the act, inspects and grades grain for which standards have been established under the act, and certifies the grade of the grain according to such standards, any party interested in the grain who is affected by such determination should have the right to a review thereof if he believes that the determination was incorrect. Such an extension of the right of appeal would also be a most effective addition to the supervision exercised over licensed inspectors for the purpose of insuring the correct application of the standards. Furthermore, at the present time, before findings are issued it is essential that it shall also satisfactorily appear that besides the appellant all other parties having an interest in the grain have been duly notified of the taking of the appeal and that a sufficient time after such notice has elapsed to enable them to be heard.</p> <p>It is also necessary at present that all interested parties, other than those joining in the appeal, be named as respondents in the complaint, that the complainant or an officer of the department shall serve a copy of the complaint on such other interested parties, and that in the meanwhile the issuance of findings be withheld pending the lapse of sufficient time to file answer. In some cases the time thus consumed might be as much as two weeks on account of the inaccessibility of the parties. The accurate determination of an appeal depends solely upon a proper examination of the grain involved and tests of correct and representative samples obtained therefrom. Such safeguards have been thrown around samples and tests that the right to be heard does not facilitate the determination of the true grade in any way. As a matter of fact, there has been no appeal in which any respondent has sought to file an answer or to have a hearing, although approximately 400 appeals have already been taken under the act, most of which have involved only corn, as the standards for wheat have but recently become effective. Correspondence with members of the grain trade and frequent discussions show a strong desire on the part of the grain trade to avail itself of the privilege of taking appeals.</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Enforcement of the United States Grain Standards Act—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		<i>Number.</i>	<i>Number.</i>		
Supervisor.....per annum.....	\$3,500.00	1	1		
Supervisors.....do.....	3,240.00	4	5		
Supervisors.....do.....	3,000.00	9	8		
Supervisors.....do.....	2,760.00	5	5		
Supervisors.....do.....	2,700.00	2	--		
Supervisors.....do.....	2,640.00	3	2		
Supervisor.....do.....	2,520.00	1	1		
Supervisors.....do.....	2,500.00	8	6(2 part time)		
Supervisors.....do.....	2,400.00	7	1		
Supervisor.....do.....	2,340.00	1	--		
Supervisors.....do.....	2,280.00	4	--		
Supervisor.....do.....	2,160.00	1	1		
Supervisors.....do.....	2,000.00	4	3(1 part time; 1 temp.)		
Supervisor.....do.....	1,800.00	1	--		
Specialist.....do.....	3,210.00	1	1(part time)		
Assistant grain supervisors.....do.....	2,400.00	2	1		
Assistant grain supervisors.....do.....	2,280.00	5	5		
Assistant grain supervisors.....do.....	2,040.00	1	1		
Assistant grain supervisors.....do.....	1,800.00	5	5		
Assistant grain supervisor.....do.....	1,620.00	1	1		
Assistant grain supervisor.....do.....	1,500.00	1	1		
Assistant grain supervisor.....do.....	1,410.00	1	--		
Assistant grain supervisor.....do.....	1,320.00	1	1		
Assistant grain supervisors.....do.....	1,200.00	7	7		
Samplers.....do.....	1,620.00	5	1		
Samplers.....do.....	1,500.00	9	2		
Sampler.....do.....	1,440.00	1	1		
Samplers.....do.....	1,400.00	2	--		
Samplers.....do.....	1,380.00	4	1		
Samplers.....do.....	1,320.00	22	4		
Sampler.....do.....	1,300.00	1	--		
Samplers.....do.....	1,260.00	4	2		
Samplers.....do.....	1,200.00	40	5		
Samplers.....do.....	1,140.00	1	--		
Samplers.....do.....	1,080.00	2	2		
Sampler.....do.....	1,000.00	1	1		
Clerks †.....do.....	1,400.00	--	3		
Clerks †.....do.....	1,200.00	--	31		
Clerks.....do.....	1,200.00	10	3(temp.)		
Clerks.....do.....	1,080.00	--	3(temp.)		
Clerks †.....do.....	1,020.00	--	2		
Clerks, \$1,200 to \$1,000*.....do.....	--	--	4		
Clerks.....do.....	1,000.00	1	4(temp.)		
Clerks.....do.....	1,000.00	--	7		
Clerks and messengers, \$900 to \$300.....do.....	--	2	11(temp.)		
Grain experts and samplers, \$12 and \$4 per diem.....do.....	--	--	11(temp.)		
Wages:					
Laborer †.....per annum.....	660.00	--	1		
.....per month.....	25.00	--	9		
Miscellaneous temporary labor.....per diem.....	\$4 to \$2	--	3		
Salaries.....		\$311,850.00	\$89,717.09		
Wages.....			1,291.25		
Other objects of expenditure:					
Stationery.....		7,000.00	782.98		
Traveling expenses.....		54,332.00	18,474.22		
Equipment and material.....		29,500.00	25,092.64		
Telephone and telegraph service.....		4,750.00	1,376.70		
Miscellaneous items.....		49,148.00	41,845.86		
Total.....		456,580.00	178,580.74		

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Appropriation for 1917.....	\$250,000	Estimate for 1918.....	\$519,140
Appropriation for 1918.....	519,140	Estimate for 1919.....	456,580

Administration of the United States Warehouse Act—

- (73) To enable the Secretary of Agriculture to carry into effect the provisions of the United States warehouse Act, including the payment of such rent and the employment of such persons and means as the Secretary of Agriculture may deem necessary, in the city of Washington and elsewhere **[\$59,620]** **\$53,540** (acts Aug. 11, 1916, vol. 39, pp. 486-491, secs. 1-33; Mar. 4, 1917, vol. 39, p. 1163, sec. 1)

\$53,540.00 \$59,620.00

NOTE.—There is an apparent decrease in this item of \$6,080, but, taking into consideration transfers to the statutory roll of this bureau involving \$4,040 and the transfer of 1 clerk, class 1, and 1 chief elevator conductor at \$840 to the statutory roll of the Secretary's office, there is actually no change.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.				Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Administration of the United States Warehouse Act—Continued.</i>					
Employees.	Rate.	Estimated, 1919.	Expended, 1917.		
Salaries:		Number.	Number.		
Specialist.....per annum.....	\$3,600.00	1	1		
Investigators.....do.....	2,500.00	4 (new)	..		
Assistant.....do.....	2,640.00	1	..		
Assistants.....do.....	1,800.00	4	3		
Assistants.....do.....	1,620.00	2	1		
Assistant.....do.....	1,400.00	1	1		
Clerks.....do.....	1,600.00	..	1		
Clerks.....do.....	1,400.00	}	1		
Clerk.....do.....	1,200.00		2 (part time)		
Clerk.....do.....	1,200.00	..	2 (part time)		
Wages:					
Skilled laborers.....do.....	300.00	..	3 (part time)		
Salaries.....		\$28,080.00	\$3,381.85		
Wages.....			250.00		
Other objects of expenditure:					
Stationery.....		920.00	161.76		
Traveling expenses.....		12,120.00	418.31		
Equipment and material.....		6,500.00	910.66		
Telephone and telegraph service.....		500.00	104.81		
Miscellaneous items.....		5,420.00	1,948.22		
Total.....		53,540.00	7,175.61		
Appropriation for 1917.....	\$50,000	Estimate for 1918.....	\$59,620		
Appropriation for 1918.....	59,620	Estimate for 1919.....	53,540		
<i>Statement of clerks employed in District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i>					
GENERAL EXPENSES—BUREAU OF MARKETS.					
1 clerk, \$1,620 per annum.					
1 clerk, \$1,600 per annum.					
3 clerks, at \$1,400 per annum each.					
41 clerks, at \$1,200 per annum each.					
2 clerks, at \$1,140 per annum each.					
1 clerk, \$1,100 per annum.					
2 clerks, at \$1,030 per annum each.					
40 clerks, at \$1,000 per annum each.					
60 clerks, at \$900 per annum each.					
5 clerks, at \$720 per annum each.					
1 clerk, \$600 per annum.					
ENFORCEMENT OF THE COTTON—FUTURES ACT.					
4 clerks, at \$1,400 per annum each.					
1 clerk, \$1,320 per annum.					
2 clerks, at \$1,200 per annum each.					
3 clerks, at \$1,000 per annum each.					
1 clerk, \$900 per annum.					
ENFORCEMENT OF THE GRAIN STANDARDS ACT.					
2 clerks, at \$1,400 per annum each.					
8 clerks, at \$1,200 per annum each.					
1 clerk, \$1,080 per annum.					
2 clerks, at \$1,020 per annum each.					
7 clerks, at \$1,000 per annum each.					
9 clerks, at \$900 per annum each.					
1 clerk, \$720 per annum.					
ADMINISTRATION OF THE WAREHOUSE ACT.					
1 clerk, \$1,400 per annum.					
1 clerk, \$1,200 per annum.					
Total for Bureau of Markets				\$1,990,350.00	\$1,718,575.00
(74) Hereafter, in the performance of the duties required of the Department of Agriculture by the provisions of [this Act] Acts relating to the Bureau of Markets, the Secretary of Agriculture shall have power to administer oaths, examine witnesses, and call for the production of books and papers.					
NOTE.—This provision of law was inserted in the agricultural act for the fiscal year 1918. The evident intention of Congress was that it should become permanent legislation, and, accordingly, a slight modification of the language has been made to accomplish that purpose.					

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
ENFORCEMENT OF THE INSECTICIDE ACT.		
<i>Salaries, Enforcement of the Insecticide Act—</i>		
(1) One executive officer (<i>R. S., p. 87, secs. 520-523; acts Apr. 26, 1910, vol. 36, pp. 331-335, secs. 1-14; Mar. 4, 1917, vol. 39, p. 1164, sec. 1</i>)	\$2, 750. 00	
(2) One executive assistant (<i>same acts</i>)	2, 000. 00	
(3) One clerk, class 3 (<i>same acts</i>)	1, 600. 00	
(4) One clerk, class 2 (<i>same acts</i>)	1, 400. 00	
(5) One clerk, class 1 (<i>same acts</i>)	1, 200. 00	
(6) Two clerks, at \$1,140 each (<i>same acts</i>)	2, 280. 00	
(7) Two clerks, at \$1,000 each (<i>same acts</i>)	2, 000. 00	
(8) Three insecticide and fungicide inspectors, at \$1,600 each (<i>same acts</i>)	4, 800. 00	
(9) Two clerks and sample collectors, at \$1,000 each (<i>same acts</i>)	2, 000. 00	
(10) One sample and storeroom custodian (<i>submitted</i>)	1, 200. 00	
<p>NOTE.—At the present time the work of receiving the thousands of insecticide and fungicide samples collected by the inspectors, their distribution for analysis and test, and the keeping of detailed records is performed by several employees incidental to their regular work. The duties of the position have now increased to such an extent as to justify the employment of one man for full time. This employee also will be required to appear frequently as a witness in court cases, and, in the circumstances, the present arrangement is very unsatisfactory. If this new place is provided, it is proposed to fill it by original appointment.</p>		
(11) One laboratory helper (<i>R. S., p. 87, secs. 520-523; acts Apr. 26, 1910, vol. 36, pp. 331-335, secs. 1-14; Mar. 4, 1917, vol. 39, p. 1164, sec. 1</i>)	840. 00	
(12) One laboratory helper (<i>same acts</i>)	720. 00	
(13) One laboratory helper (<i>same acts</i>)	600. 00	
(14) One unskilled laborer (<i>same acts</i>)	600. 00	
(15) One unskilled laborer (<i>same acts</i>)	480. 00	
(16) Two messenger boys or laborers, at \$480 each (<i>same acts</i>)	960. 00	
(17) One messenger boy (<i>same acts</i>)	360. 00	
(18) Two charwomen, at \$480 each (increase of 1 by transfer from lump fund) (<i>same acts</i>)	960. 00	

Appropriations for 1916.....	(1)	Estimates for 1917.....	\$24, 590
Appropriations for 1917.....	\$24, 590	Estimates for 1918.....	25, 990
Appropriations for 1918.....	25, 070	Estimates for 1919.....	26, 750

¹ Salaries paid from lump fund appropriation for enforcement of the insecticide act.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Salaries, Enforcement of the Insecticide Act—Continued.</i>		
NOTE.—Apparent increase, \$1,680; actual increase, \$1,200, as follows:		
<i>New place.</i>		
1 sample and storeroom custodian.....	\$1, 200	
Actual increase.....	1, 200	
<i>Transfer from lump fund of this office, which fund has been correspondingly reduced.</i>		
1 charwoman.....	480	
Apparent increase.....	1, 680	
<i>General Expenses, Enforcement of the Insecticide Act—</i>		
(19) For salaries and the employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and for all necessary expenses, as follows (<i>acts Apr. 26, 1910, vol. 36, pp. 331–335, secs. 1–14; Mar. 4, 1917, vol. 39, p. 1164, sec. 1</i>):		
(20) To enable the Secretary of Agriculture to carry into effect the provisions of the act of April 26, 1910, entitled "An act for preventing the manufacture, sale, or transportation of adulterated or misbranded Paris greens, lead arsenates, and other insecticides, and also fungicides, and for regulating traffic therein, and for other purposes" [§87,430] §94, 490 (<i>same acts</i>).....	\$94, 490. 00	\$87, 430. 00

NOTE.—There is an apparent increase in this item of \$7,060, but, taking into consideration the transfer of one charwoman at \$480 to the statutory roll, the actual increase is \$7,540. The campaign now under way on disinfectants and germicides has materially increased the amount of routine and investigative work. In order to take care of the large increase in the board's work along this and other lines, the services of one additional bacteriologist and chemist (salary, \$1,800, and expenses, \$500) will be required. The enforcement of the insecticide act is especially important in view of the urgent need for increased crop production, which depends to a considerable extent upon the farmer's ability to obtain pure insecticides and fungicides. The increased number of samples collected will also necessitate the employment of one additional plant pathologist at \$1,440, one entomologist at \$1,440, an assistant chemist (salary \$1,440, expenses, \$200), and a chemist's aid at \$720.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chairman.....per annum.....	\$3,800.00	1	1
Scientific assistant.....do.....	3,200.00	1	1
Scientific assistant.....do.....	2,760.00	1	1
Scientific assistant.....do.....	2,500.00	1	1
Scientific assistant.....do.....	2,000.00	4	4
Scientific assistant.....do.....	1,980.00	1	1
Scientific assistant.....do.....	1,860.00	1	1
Scientific assistant.....do.....	1,800.00	5 (1 new)	4
Scientific assistant.....do.....	1,620.00	4	4
Scientific assistant.....do.....	1,440.00	4 (3 new)	1
Scientific assistant.....do.....	1,400.00	1	1
Scientific assistant.....do.....	1,200.00	5 (2 temp.)	5 (2 temp.)
Scientific assistant.....do.....	1,020.00	1 (temp.)	1 (temp.)
Clerk.....do.....	2,000.00	..	1 (temp.)
Clerk.....do.....	1,200.00	..	1 (temp.)
Messenger boy.....do.....	480.00	..	1
Charwoman.....do.....	480.00	..	1
Field assistants, nurserymen, chemist's aids, watchmen, and collaborators, \$900 to \$300.....do.....		6 (4 temp., 1 new)	10 (9 temp.)
Wages:			
Miscellaneous temporary labor, \$4 to \$3.50.....per diem.....		2 (temp.)	2 (temp.)
Salaries.....		\$54,160.00	\$47,051.63
Wages.....		215.00	214.50
Other objects of expenditure:			
Stationery.....		1,290.00	925.21
Traveling expenses.....		15,000.00	9,889.35
Equipment and material.....		10,000.00	8,580.89
Miscellaneous items.....		13,915.00	6,332.66
Total.....		94,490.00	72,994.24

* Transferred to statutory roll in Agricultural act for 1918.

+ Recommended for relief to the statutory roll for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Enforcement of the Insecticide Act—Continued.</i>		
Appropriation for 1911 \$35,000	Estimate for 1912 \$87,000	
Appropriation for 1912 87,000	Estimate for 1913 100,000	
Appropriation for 1913 87,000	Estimate for 1914 100,000	
Appropriation for 1914 95,000	Estimate for 1915 95,000	
Appropriation for 1915 95,000	Estimate for 1916 107,780	
Appropriation for 1916 100,000	Estimate for 1917 85,670	
Appropriation for 1917 80,410	Estimate for 1918 87,430	
Appropriation for 1918 87,430	Estimate for 1919 94,490	
<i>Statement of clerks employed in the District of Columbia under lump-fund appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).</i>		
GENERAL EXPENSES—ENFORCEMENT OF THE INSECTICIDE ACT.		
Two clerks, at \$900 per annum each.		
Total for Enforcement of the Insecticide Act	\$121, 240. 00	\$112, 500. 00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
FEDERAL HORTICULTURAL BOARD.		
<i>Salaries, Federal Horticultural Board—</i>		
(1) One secretary of board (<i>R. S.</i> , p. 87, secs. 520–523; acts Mar. 4, 1913, vol. 37, pp. 853, 854, sec. 1; Mar. 4, 1917, vol. 39, p. 1164, sec. 1).....	\$2, 280. 00	
(2) One executive clerk (by transfer from lump fund) (<i>same acts</i>)..	2, 000. 00	
(3) One clerk, class 4 (1 new place in lieu of 2 clerks, at \$900 each, dropped, as below, and 1 transferred to statutory roll, Secretary's office, making no change in the number of places) (<i>same acts</i>)	1, 800. 00	
NOTE.—Provision is made for an additional clerk of class 4, in lieu of 2 clerks at \$900 each, dropped, which change involves no increase in the total appropriation. The work of the board will require the employment of an additional high-grade clerk during the next fiscal year. If this \$1,800 place is provided it will be possible to drop two places at \$900. It is difficult to secure and retain competent clerks at \$900, these two places now being vacant. It is proposed to fill the new place at \$1,800 by original appointment.		
(4) One clerk, class 3 (by transfer from statutory roll, Secretary's office) (<i>same acts</i>).....	1, 600. 00	
(5) Two clerks, at \$1,440 each (<i>same acts</i>)	2, 880. 00	
(6) Two clerks, class 2 (<i>same acts</i>)	2, 800. 00	
(7) Two clerks, at \$1, 260 each (<i>same acts</i>).....	2, 520. 00	
(8) One clerk, class 1 (by transfer from lump fund) (<i>same acts</i>).....	1, 200. 00	
(9) One clerk (<i>same acts</i>)	1, 080. 00	
(10) Six clerks, at \$1,000 each (increase of 3 by transfer from lump fund) (<i>same acts</i>)	6, 000. 00	
(11) One clerk (2 dropped) (<i>same acts</i>)	900. 00	
NOTE.—See note under item 3.		
(12) One messenger boy (<i>same acts</i>)	480. 00	
(13) Two messenger boys, at \$360 each (<i>same acts</i>)	720. 00	
(14) One charwoman (<i>same acts</i>)	240. 00	
Appropriations for 1916..... ⁽¹⁾ Estimates for 1917..... \$13, 640 Appropriations for 1917..... \$13, 640 Estimates for 1918..... 20, 500 Appropriations for 1918..... 20, 500 Estimates for 1919..... 26, 500		\$26, 500. 00 \$20, 500. 00
¹ Salaries paid from lump fund.		
NOTE.—Apparent increase, \$6,000; actual decrease, \$200, as follows:		
<i>New place.</i>		
1 clerk, class 4 (in lieu of 2 clerks, at \$900 each, dropped).....	\$1, 800	
<i>Places dropped.</i>		
2 clerks, at \$900 each.....	1, 800	
<i>Transfers from lump fund of this office, which fund has been correspondingly reduced.</i>		
1 executive clerk.....	\$2, 000	
1 clerk, class 1.....	1, 200	
3 clerks, at \$1,000 each.....	3, 000	
6, 200		
<i>Transfer to statutory roll, Secretary's office.</i>		
1 clerk, class 4.....	\$1, 800	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.		Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
Salaries, Federal Horticultural Board—Continued.			
Transfer from statutory roll, Secretary's office.			
1 clerk, class 3.....	\$1,600		
Actual decrease.....	\$200		
Apparent increase.....	6,000		
General Expenses, Federal Horticultural Board—			
(15) For salaries and the employment of labor in the city of Washington and elsewhere, furniture, supplies, traveling expenses, rent outside of the District of Columbia, and for all other necessary expenses, as follows (<i>acts Mar. 4, 1913, vol. 37, pp. 853, 854, sec. 1; Mar. 4, 1917, vol. 39, pp. 1164, 1165, sec. 1</i>):			
(16) To enable the Secretary of Agriculture to carry into effect the provisions of the Act of August twentieth, nineteen hundred and twelve, as amended [March fourth, nineteen hundred and thirteen], entitled "An Act to regulate the importation of nursery stock and other plants and plant products; to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests; to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes" [\$54,500] (<i>same acts</i>).....		\$48,300.00	
NOTE.—There is an apparent decrease in this item of \$6,200, due to transfers to the statutory roll.			
It is proposed to omit the language in parentheses. In addition to the amendment of March 4, 1913, to the plant-quarantine act, an amendment to section 8 of this act was included in the agricultural appropriation act for the fiscal year 1918. It is believed that the words "as amended" will be sufficient to cover all existing amendments.			
Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		Number.	Number.
Pathological inspector.....per annum..	\$2,640.00	1	1
Pathological inspector.....do.....	2,520.00	1	1
Pathological inspector.....do.....	2,400.00	1	1
Pathological inspector.....do.....	2,400.00	1	1
Pathological inspector.....do.....	2,200.00	1	1
Pathological inspector.....do.....	2,340.00	1	1
Pathological inspector.....do.....	1,800.00	1	1
Pathological inspector.....do.....	1,800.00	1	1
Pathological inspector.....do.....	1,620.00	1	1
Entomological inspector.....do.....	2,640.00	1	1
Entomological inspector.....do.....	2,000.00	1	1 (temp.)
Entomological inspector.....do.....	1,800.00	1	1
Entomological inspector.....do.....	1,600.00	1	1
Entomological inspector.....do.....	1,600.00	1	1
Entomological inspectors.....do.....	1,500.00	3	3
Quarantine inspector.....do.....	2,520.00	1	1
Quarantine inspector.....do.....	2,400.00	1	1
Quarantine inspector.....do.....	2,400.00	1	1
Quarantine inspector.....do.....	1,800.00	1	1
Quarantine inspectors.....do.....	1,440.00	2	2
Quarantine inspectors.....do.....	1,200.00	2	2
Quarantine inspector.....do.....	1,400.00	1	1 (temp.)
Scientific assistant.....do.....	2,000.00	1	1
Secretary of board, clerks, messenger boys, and charwoman, \$2,280 to \$240.....do.....			12 (temp.)
Clerks.....do.....	2,000.00		1
Clerk *.....do.....	1,800.00		1
Clerks *.....do.....	1,000.00		2
Clerks *.....do.....	1,000.00		3
Clerks *.....do.....	900.00		3
Clerks.....do.....	900.00	2 (temp.)	7 (temp.)
Messenger boy *.....do.....	360.00		1
Collaborators, \$300 and \$1.....do.....		68	75
Wages: *			
Temporary laborer.....per diem..	2.00		1
Salaries.....		\$40,500.00	\$39,692.36
Wages.....			4.00
Other objects of expenditure:			
Stationery.....		800.00	804.44
Traveling expenses.....		4,000.00	5,387.71
Equipment and material.....		2,000.00	3,468.74
Miscellaneous items.....		1,000.00	2,123.06
Total.....		48,300.00	51,483.31

* Transferred to statutory roll in Agricultural act for 1918.

† Recommended for transfer to statutory roll in estimates for 1919.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>General Expenses, Federal Horticultural Board—Continued.</i>		
(17) [To enable the Secretary of Agriculture to meet the emergency caused by the existence of the pink boll worm of cotton in Mexico and the movement of some five hundred carloads of cotton seed from the infested districts in Mexico to milling points in Texas and elsewhere, and to prevent the establishment of such insect in Texas or in any other State by providing for adequate inspection and the employment of all means necessary under rules and regulations to be prescribed by him, to prohibit the movement of cotton and cotton seed from Mexico into the United States, including the examination of baggage and railroad cars or other means of conveyance and the cleaning and disinfection thereof; to inspect mills in Texas or elsewhere in the United States to which Mexican cotton seed has been taken for milling; to supervise the destruction, by manufacture or otherwise, of such seed and the thorough clean-up of the mills and premises; to conduct local surveys and inspections of cotton fields in the vicinity of such mills and ports of entry in order to detect any instances of local infestation; and to determine and conduct such control measures in cooperation with the State of Texas or other States concerned as may be necessary to stamp out such infestation, including rent outside of the District of Columbia, employment of labor in the city of Washington and elsewhere, and all other necessary expenses, \$50,000, available immediately and until expended.]		
NOTE.—This item is omitted, as the appropriation provided thereunder is available until expended. In addition, the urgent deficiency act approved October 6, 1917 (Public, No. 64), carries a special appropriation of \$250,000 for preventing the establishment and spread of the pink boll worm of cotton in Texas and other parts of the United States. A supplemental estimate may be submitted later in the fiscal year when it will be possible to indicate with greater accuracy the funds required for the work next year.		
In all, for general expenses	\$48, 300. 00	\$104, 500.00
Appropriations for 1914..... \$40,000	Estimates for 1914..... \$50,000	
Appropriations for 1915..... 50,000	Estimates for 1915..... 50,000	
Appropriations for 1916..... 50,000	Estimates for 1916..... 50,000	
Appropriations for 1917..... 61,360	Estimates for 1917..... 61,360	
Appropriations for 1918..... 104,500	Estimates for 1918..... 54,500	
	Estimates for 1919..... 48,300	
Statement of clerks employed in the District of Columbia under lump-sum appropriations for 30 days or more during the fiscal year ended June 30, 1917 (32 Stat., p. 303).		
GENERAL EXPENSES—FEDERAL HORTICULTURAL BOARD.		
1 clerk, \$2,000 per annum.		
1 clerk, \$1,600 per annum.		
1 clerk, \$1,200 per annum.		
4 clerks, at \$1,000 per annum each.		
10 clerks, at \$900 per annum each.		
Total for Federal Horticultural Board	74, 800. 00	125, 000. 00
(18) [That section eight of an act entitled "An act to regulate the importation of nursery stock and other plants and plant products; to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests; to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes," approved August twentieth, nineteen hundred and twelve, be, and the same is hereby, amended so as to read as follows:		
"SEC. 8. That the Secretary of Agriculture is authorized and directed to quarantine any State, Territory, or District of the United States, or any portion thereof, when he shall determine that such quarantine is necessary to prevent the spread of a dangerous plant disease or insect infestation, new to or not theretofore widely prevalent or distributed within and throughout the United States; and the Secretary of Agriculture is directed to give notice of the establishment of such quarantine to		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p>common carriers doing business in or through such quarantined area, and shall publish in such newspapers in the quarantined area as he shall select notice of the establishment of quarantine. That no person shall ship or offer for shipment to any common carrier, nor shall any common carrier receive for transportation or transport, nor shall any person carry or transport from any quarantined State or Territory or District of the United States, or from any quarantined portion thereof, into or through any other State or Territory or District, any class of nursery stock or any other class of plants, fruits, vegetables, roots, bulbs, seeds, or other plant products, or any class of stone or quarry products, or any other article of any character whatsoever, capable of carrying any dangerous plant disease or insect infestation, specified in the notice of quarantine except as hereinafter provided. That it shall be unlawful to move, or allow to be moved, any class of nursery stock or any other class of plants, fruits, vegetables, roots, bulbs, seeds, or other plant products, or any class of stone or quarry products or any other article of any character whatsoever, capable of carrying any dangerous plant disease or insect infestation, specified in the notice of quarantine hereinbefore provided, and regardless of the use for which the same is intended, from any quarantined State or Territory or District of the United States or quarantined portion thereof, into or through any other State or Territory or District, in manner or method or under conditions other than those prescribed by the Secretary of Agriculture. That it shall be the duty of the Secretary of Agriculture, when the public interests will permit, to make and promulgate rules and regulations which shall permit and govern the inspection, disinfection, certification, and method and manner of delivery and shipment of the class of nursery stock or of any other class of plants, fruits, vegetables, roots, bulbs, seeds, or other plant products, or any class of stone or quarry products, or any other article of any character whatsoever, capable of carrying any dangerous plant disease or insect infestation, specified in the notice of quarantine hereinbefore provided, and regardless of the use for which the same is intended, from a quarantined State or Territory or District of the United States, or quarantined portion thereof, into or through any other State or Territory or District; and the Secretary of Agriculture shall give notice of such rules and regulations as hereinbefore provided in this section for the notice of the establishment of quarantine: <i>Provided</i>, That before the Secretary of Agriculture shall promulgate his determination that it is necessary to quarantine any State, Territory, or District of the United States, or portion thereof, under the authority given in this section, he shall, after due notice to interested parties, give a public hearing under such rules and regulations as he shall prescribe, at which hearing any interested party may appear and be heard, either in person or by attorney."]</p>		
<p>NOTE.—The above paragraph amending section 8 of the plant-quarantine act is continuing legislation and is therefore omitted.</p>		
<p>And not to exceed ten per centum of the foregoing amounts for the miscellaneous expenses of the work of any bureau, division, or office herein provided for shall be available interchangeably for expenditures on the objects included within the general expenses of such bureau, division, or office, but no more than ten per centum shall be added to any one item of appropriation except in cases of extraordinary emergency, and then only upon the written order of the Secretary of Agriculture.</p>		
<p>Total, Department of Agriculture, for routine and ordinary work.....</p>	<p>\$25, 209, 951.00</p>	<p>\$24,679,113.00</p>

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
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MISCELLANEOUS.

Demonstrations on Reclamation Projects—

- (1) To enable the Secretary of Agriculture to encourage and aid in the agricultural development of the Government reclamation projects; to assist, through demonstrations, advice, and in other ways, settlers on the projects; and for the employment of persons and means necessary in the city of Washington and elsewhere **["\$50,000"]**, \$48,600 (*acts June 30, 1914, vol. 38, p. 440, sec. 1; Mar. 4, 1917, vol. 39, p. 1166, sec. 1*)

\$48,600.00

\$50,000.00

NOTE.—There is an apparent decrease in this item of \$1,400, due to the transfer of one clerk, class 2, to the statutory roll of the Bureau of Plant Industry.

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Agriculturist in charge.....per annum..	\$3,500.00	1	1
Agriculturists.....do.....	2,220.00	6	2
Agriculturists.....do.....	2,010.00	5	3
Agriculturists.....do.....	1,800.00	..	4
Farm superintendent.....do.....	2,000.00	..	1
Cheesemaker.....do.....	1,440.00	..	1 (part time)
Clerk.....do.....	1,400.00	..	1
Collaborators.....do.....	300.00	6	..
Collaborators.....per hour..	\$0.35-\$0.25	..	11
Wages:			
Temporary laborer.....per month..	60.00	..	1
Salaries.....		\$28,820.00	\$25,513.59
Wages.....			130.96
Other objects of expenditure:			
Traveling expenses.....		16,010.00	8,802.76
Equipment and material.....		1,500.00	1,899.62
Miscellaneous items.....		2,270.00	3,265.90
Total.....		48,600.00	39,642.83

† Recommended for transfer to statutory roll in estimates for 1919.

Appropriation for 1915.....	\$40,000	Estimate for 1916.....	\$50,000
Appropriation for 1916.....	49,000	Estimate for 1917.....	40,000
Appropriation for 1917.....	40,000	Estimate for 1918.....	50,000
Appropriation for 1918.....	50,000	Estimate for 1919.....	48,600

Cooperative Fire Protection of Forested Watersheds of Navigable Streams—

- (2) For cooperation with any State or group of States in the protection from fire of the forested watersheds of navigable streams under the provisions of section two of the Act of March first, nineteen hundred and eleven, entitled "An Act to enable any State to cooperate with any other State or States, or with the United States, for the protection of the watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers" (*acts Mar. 1, 1911, vol. 36, p. 961, sec. 1; Mar. 4, 1917, vol. 39, p. 1166, sec. 1*)

100,000.00

100,000.00

Employees.	Rate.	Estimated, 1919.	Expended, 1917.
Salaries:		<i>Number.</i>	<i>Number.</i>
Chief, State cooperation.....per annum..	\$2,800.00	1 (part time)	1 (part time)
Forest examiner.....do.....	2,500.00	1 (part time)	1 (part time)
Forest examiner.....do.....	2,200.00
Forest examiner.....do.....	2,000.00	1	..
Collaborators.....do.....	12.00	30	28
Wages:			
Temporary laborers, \$112.50 to \$75.....per month..		283	312
Salaries.....		\$5,010.00	\$2,676.00
Wages.....		91,990.00	84,115.65
Other objects of expenditure:			
Traveling expenses.....		3,000.00	2,791.64
Miscellaneous items.....			993.79
Total.....		100,000.00	90,577.68

Appropriation for 1915.....	\$100,000	Estimate for 1916.....	\$100,000
Appropriation for 1916.....	100,000	Estimate for 1917.....	100,000
Appropriation for 1917.....	100,000	Estimate for 1918.....	100,000
Appropriation for 1918.....	100,000	Estimate for 1919.....	100,000

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																																																								
<p><i>Experiments and Demonstrations in Live-Stock Production in the Cane-Sugar and Cotton Districts of the United States—</i></p> <p>(3) To enable the Secretary of Agriculture, in cooperation with the authorities of the States concerned, or with individuals, to make such investigations and demonstrations as may be necessary in connection with the development of live-stock production in the cane-sugar and cotton districts of the United States, including the erection of barns and other necessary buildings, and the employment of persons and means in the city of Washington and elsewhere (<i>acts June 30, 1914, vol. 38, p. 441, sec. 1; Mar. 4, 1917, vol. 39, p. 1166, sec. 1</i>)-----</p>	\$60,000.00	\$60,000.00																																																																																																																								
<table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td><i>Number.</i></td><td><i>Number.</i></td></tr><tr><td>Live-stock specialist.....per annum.....</td><td>\$3,000.00</td><td>1</td><td>1</td></tr><tr><td>Live-stock specialist.....do.....</td><td>2,500.00</td><td>1</td><td>1</td></tr><tr><td>Forage-crop agent.....do.....</td><td>2,400.00</td><td>..</td><td>1</td></tr><tr><td>Field agent in marketing.....do.....</td><td>2,250.00</td><td>..</td><td>1(part time)</td></tr><tr><td>Live-stock agent.....do.....</td><td>2,100.00</td><td>1</td><td>1</td></tr><tr><td>Live-stock agent.....do.....</td><td>1,800.00</td><td>..</td><td>1</td></tr><tr><td>Live-stock agent.....do.....</td><td>1,620.00</td><td>..</td><td>1</td></tr><tr><td>Live-stock agent.....do.....</td><td>1,500.00</td><td>1</td><td>..</td></tr><tr><td>Agent in dairying.....do.....</td><td>1,800.00</td><td>1</td><td>1</td></tr><tr><td>Agent in dairying.....do.....</td><td>1,320.00</td><td>1</td><td>1</td></tr><tr><td>Agent in poultry husbandry.....do.....</td><td>1,800.00</td><td>..</td><td>1</td></tr><tr><td>Agent in poultry husbandry (part salary).....do.....</td><td>120.00</td><td>1</td><td>..</td></tr><tr><td>Agent in swine husbandry (part salary).....do.....</td><td>1,320.00</td><td>1</td><td>1</td></tr><tr><td>Dairy herdsman.....do.....</td><td>1,080.00</td><td>1</td><td>..</td></tr><tr><td>Clerk.....do.....</td><td>1,440.00</td><td>1</td><td>1</td></tr><tr><td>Clerks, \$480 and \$360.....do.....</td><td></td><td>1</td><td>2</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Unskilled laborers, \$900 to \$180.....do.....</td><td></td><td>4</td><td>..</td></tr><tr><td>Miscellaneous temporary labor.....per month.....</td><td></td><td>5</td><td>8</td></tr><tr><td>.....(\$3.50 to \$0.30.....per diem.....</td><td></td><td>28</td><td>32</td></tr><tr><td>Salaries.....</td><td></td><td>\$16,540.00</td><td>\$19,624.84</td></tr><tr><td>Wages.....</td><td></td><td>9,200.00</td><td>8,293.09</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Traveling expenses.....</td><td></td><td>5,650.00</td><td>5,485.87</td></tr><tr><td>Equipment and material.....</td><td></td><td>13,150.00</td><td>7,439.68</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>12,160.00</td><td>10,132.13</td></tr><tr><td>Construction work.....</td><td></td><td>a 3,300.00</td><td>b 8,969.72</td></tr><tr><td>Total.....</td><td></td><td>60,000.00</td><td>59,945.33</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		<i>Number.</i>	<i>Number.</i>	Live-stock specialist.....per annum.....	\$3,000.00	1	1	Live-stock specialist.....do.....	2,500.00	1	1	Forage-crop agent.....do.....	2,400.00	..	1	Field agent in marketing.....do.....	2,250.00	..	1(part time)	Live-stock agent.....do.....	2,100.00	1	1	Live-stock agent.....do.....	1,800.00	..	1	Live-stock agent.....do.....	1,620.00	..	1	Live-stock agent.....do.....	1,500.00	1	..	Agent in dairying.....do.....	1,800.00	1	1	Agent in dairying.....do.....	1,320.00	1	1	Agent in poultry husbandry.....do.....	1,800.00	..	1	Agent in poultry husbandry (part salary).....do.....	120.00	1	..	Agent in swine husbandry (part salary).....do.....	1,320.00	1	1	Dairy herdsman.....do.....	1,080.00	1	..	Clerk.....do.....	1,440.00	1	1	Clerks, \$480 and \$360.....do.....		1	2	Wages:				Unskilled laborers, \$900 to \$180.....do.....		4	..	Miscellaneous temporary labor.....per month.....		5	8(\$3.50 to \$0.30.....per diem.....		28	32	Salaries.....		\$16,540.00	\$19,624.84	Wages.....		9,200.00	8,293.09	Other objects of expenditure:				Traveling expenses.....		5,650.00	5,485.87	Equipment and material.....		13,150.00	7,439.68	Miscellaneous items.....		12,160.00	10,132.13	Construction work.....		a 3,300.00	b 8,969.72	Total.....		60,000.00	59,945.33		
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<p>^a This construction work will consist of the following: 1 frame cottage, containing 29,100 cubic feet, at approximately 11.3 cents per cubic foot.</p> <p>^b This construction work consisted of the following buildings:</p> <table><tr><td>1 frame cottage, containing 29,087 cubic feet, at 8.4 cents per cubic foot.....</td><td>\$2,450.00</td></tr><tr><td>1 frame dairy barn, containing 41,148 cubic feet, at 5.3 cents per cubic foot.....</td><td>2,180.00</td></tr><tr><td>1 frame mill house, containing 3,248 cubic feet, at 15.6 cents per cubic foot.....</td><td>506.00</td></tr><tr><td>1 frame bull and calf barn, containing 35,964 cubic feet, at 3.9 cents per cubic foot.....</td><td>1,390.00</td></tr><tr><td>1 frame feed barn, containing 39,204 cubic feet, at 2.9 cents per cubic foot.....</td><td>1,145.00</td></tr><tr><td>1 frame hay barracks, containing 69,984 cubic feet, at 1.3 cents per cubic foot.....</td><td>923.00</td></tr><tr><td>Roof to silos.....</td><td>375.72</td></tr></table>	1 frame cottage, containing 29,087 cubic feet, at 8.4 cents per cubic foot.....	\$2,450.00	1 frame dairy barn, containing 41,148 cubic feet, at 5.3 cents per cubic foot.....	2,180.00	1 frame mill house, containing 3,248 cubic feet, at 15.6 cents per cubic foot.....	506.00	1 frame bull and calf barn, containing 35,964 cubic feet, at 3.9 cents per cubic foot.....	1,390.00	1 frame feed barn, containing 39,204 cubic feet, at 2.9 cents per cubic foot.....	1,145.00	1 frame hay barracks, containing 69,984 cubic feet, at 1.3 cents per cubic foot.....	923.00	Roof to silos.....	375.72																																																																																																												
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Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.																																																																																												
<p><i>Experiments in Dairying and Live-Stock Production in Semiarid and Irrigated Districts of the Western United States—</i></p> <p>(4) To enable the Secretary of Agriculture to conduct investigations and experiments in problems connected with the establishment of dairying and meat-production enterprises on the semiarid and irrigated lands of the western United States, including the purchase of live stock, the erection of barns and other necessary buildings, and the employment of necessary persons and means in the city of Washington and elsewhere (<i>acts Aug. 11, 1916, vol. 39, p. 491, sec. 1; Mar. 4, 1917, vol. 39, p. 1166, sec. 1</i>) -----</p> <table><tr><th>Employees.</th><th>Rate.</th><th>Estimated, 1919.</th><th>Expended, 1917.</th></tr><tr><td>Salaries:</td><td></td><td>Number.</td><td>Number.</td></tr><tr><td>Assistant dairy husbandmen.....per annum..</td><td>\$1,500.00</td><td>3</td><td></td></tr><tr><td>Scientific assistant.....do.....</td><td>1,380.00</td><td>3</td><td>2(parttime)</td></tr><tr><td>Assistant.....do.....</td><td>1,000.00</td><td>1</td><td>1(parttime)</td></tr><tr><td>Wages:</td><td></td><td></td><td></td></tr><tr><td>Unskilled laborers \$75 to \$15.....per month..</td><td></td><td>10</td><td>3</td></tr><tr><td>Salaries.....</td><td></td><td>\$9,640.00</td><td>\$1,433.33</td></tr><tr><td>Wages.....</td><td></td><td>7,800.00</td><td>342.00</td></tr><tr><td>Other objects of expenditure:</td><td></td><td></td><td></td></tr><tr><td>Equipment and material.....</td><td></td><td>400.00</td><td>9,889.59</td></tr><tr><td>Traveling expenses.....</td><td></td><td>3,000.00</td><td>1,878.14</td></tr><tr><td>Miscellaneous items.....</td><td></td><td>11,900.00</td><td>4,597.16</td></tr><tr><td>Construction work.....</td><td></td><td>a 7,200.00</td><td>b 19,908.92</td></tr><tr><td>Total.....</td><td></td><td>40,000.00</td><td>38,049.14</td></tr></table> <p>a This construction work will consist of the following: 1 dairy barn, 36 by 70 by 24, 60,480 cubic feet at 12 cents per cubic foot.</p> <p>b This construction work consisted of the following buildings:</p> <table><tr><td>1 frame cottage, 12,100 cubic feet at 21 cents per cubic foot.....</td><td>\$2,540.00</td></tr><tr><td>1 frame cottage, 12,100 cubic feet at 11.5 cents per cubic foot.....</td><td>1,135.46</td></tr><tr><td>1 frame dairy barn, 75,000 cubic feet at 8 cents per cubic foot.....</td><td>4,130.53</td></tr><tr><td>1 frame dairy barn, 75,000 cubic feet at 7 cents per cubic foot.....</td><td>4,003.52</td></tr><tr><td>1 frame milk and ice house, 5,700 cubic feet at 21.5 cents per cubic foot.....</td><td>1,241.91</td></tr><tr><td>1 frame young stock shed, 14,400 cubic feet at 7.9 cents per cubic foot.....</td><td>1,137.75</td></tr><tr><td>2 concrete silos, 3,400 cubic feet each, at 10.6 cents per cubic foot.....</td><td>720.00</td></tr><tr><td>1 wooden hoop silo, 3,400 cubic feet at 13 cents per cubic foot.....</td><td>440.00</td></tr><tr><td>1 wooden hoop silo, 3,400 cubic feet at 7.4 cents per cubic foot.....</td><td>250.00</td></tr><tr><td>Building material on hand.....</td><td>4,303.75</td></tr></table> <table><tr><td>Appropriation for 1917.....</td><td>\$40,000</td><td>Estimate for 1917.....</td><td>\$87,500</td></tr><tr><td>Appropriation for 1918.....</td><td>40,000</td><td>Estimate for 1918.....</td><td>40,000</td></tr><tr><td></td><td></td><td>Estimate for 1919.....</td><td>40,000</td></tr></table>	Employees.	Rate.	Estimated, 1919.	Expended, 1917.	Salaries:		Number.	Number.	Assistant dairy husbandmen.....per annum..	\$1,500.00	3		Scientific assistant.....do.....	1,380.00	3	2(parttime)	Assistant.....do.....	1,000.00	1	1(parttime)	Wages:				Unskilled laborers \$75 to \$15.....per month..		10	3	Salaries.....		\$9,640.00	\$1,433.33	Wages.....		7,800.00	342.00	Other objects of expenditure:				Equipment and material.....		400.00	9,889.59	Traveling expenses.....		3,000.00	1,878.14	Miscellaneous items.....		11,900.00	4,597.16	Construction work.....		a 7,200.00	b 19,908.92	Total.....		40,000.00	38,049.14	1 frame cottage, 12,100 cubic feet at 21 cents per cubic foot.....	\$2,540.00	1 frame cottage, 12,100 cubic feet at 11.5 cents per cubic foot.....	1,135.46	1 frame dairy barn, 75,000 cubic feet at 8 cents per cubic foot.....	4,130.53	1 frame dairy barn, 75,000 cubic feet at 7 cents per cubic foot.....	4,003.52	1 frame milk and ice house, 5,700 cubic feet at 21.5 cents per cubic foot.....	1,241.91	1 frame young stock shed, 14,400 cubic feet at 7.9 cents per cubic foot.....	1,137.75	2 concrete silos, 3,400 cubic feet each, at 10.6 cents per cubic foot.....	720.00	1 wooden hoop silo, 3,400 cubic feet at 13 cents per cubic foot.....	440.00	1 wooden hoop silo, 3,400 cubic feet at 7.4 cents per cubic foot.....	250.00	Building material on hand.....	4,303.75	Appropriation for 1917.....	\$40,000	Estimate for 1917.....	\$87,500	Appropriation for 1918.....	40,000	Estimate for 1918.....	40,000			Estimate for 1919.....	40,000	\$40,000.00	\$40,000.00
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<p>(5) That not to exceed ["\$75,000"] \$63,000 of the lump-sum appropriations herein made for the Department of Agriculture shall be available for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles ["and motor boats"] necessary in the conduct of the field work of the Department of Agriculture outside the District of Columbia: <i>Provided</i>, That not to exceed \$13,000 of this amount shall be expended for the purchase of such vehicles ["and boats"], and that such vehicles ["and boats"] shall be used only for official service outside the District of Columbia, but this shall not prevent the continued use for official service of motor trucks in the District of Columbia: <i>Provided further</i>, That the Secretary of Agriculture shall, on the first day of each regular session of Congress, make a report to Congress showing the amount expended under the provisions of this paragraph during the preceding fiscal year (<i>act Mar. 4, 1917, vol. 39, pp. 1166, 1167, sec. 1</i>).</p> <p>["That hereafter the Secretary of Agriculture may exchange motor-propelled and horse-drawn passenger-carrying vehicles in part payment for new motor-propelled or horse-drawn passenger-carrying vehicles authorized to be purchased by him, to be used for the same purposes as those proposed to be exchanged, and shall, on the first day of each regular session of Congress, make a report to Congress for the fiscal year last closed showing, as to each exchange hereunder, the make of the vehicle, the</p>																																																																																														

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p>period of its use, the allowance therefor, and the vehicle, make thereof, and price, including exchange value, paid, or to be paid, for each vehicle procured through such exchange.】</p> <p>NOTE.—It is proposed to decrease by \$12,000 the amount that may be expended from the lump-sum appropriations of this department for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles necessary in the conduct of the field work of the Department of Agriculture, making the limitation \$63,000 instead of \$75,000. No change, however, has been made in the amount that may be used for the purchase of vehicles.</p> <p>The sum recommended for the fiscal year 1919 is based on a conservative estimate of the minimum amount that will be required properly to provide for the maintenance, repair, and operation of vehicles now owned by the Government, and for the purchase, maintenance, repair, and operation of new vehicles which are necessary to the effective prosecution of the work of the department. The estimate in detail is as follows:</p> <p>Maintenance, repair, and operation of vehicles owned by the Government..... \$36,658</p> <p>Maintenance, repair, and operation of new vehicles..... 8,390</p> <p>Reserve to meet unforeseen contingencies..... 4,952</p> <p>Purchase of new vehicles..... 10,095</p> <p>Reserve to meet unforeseen contingencies..... 2,905</p> <p>Total..... 63,000</p> <p>At the present time the provision in the agricultural appropriation act placing a limitation on expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles applies with equal force to motor boats. The act of July 16, 1914 (38 Stat., 454, 507), which requires specific authority from Congress for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles makes no reference whatever to motor boats, and the Comptroller of the Treasury has decided (Comp. Dec., vol. 22, p. 262) that a motor boat is not a vehicle within the meaning of the act. The application of this limitation to motor boats during the fiscal year 1919 and subsequent fiscal years will seriously interfere with the proper and efficient conduct of the work of the department, particularly as regards the activities of the Forest Service in Alaska, where motor boats are to the forest rangers on the Chugach and Tongass National Forests what saddle horses are to forest rangers on other national forests. For the adequate safeguarding of life and property on these forests it is highly essential that the Forest Service be in a position promptly to make all needed repairs and replacements of engines, hulls, and other parts of boats, in order that they may be maintained in a serviceable condition at all times for use in the rough waters off the Alaskan shores. It is therefore recommended that the language of the paragraph be amended as indicated.</p> <p>The paragraph regarding the exchange of vehicles is omitted as it is continuing legislation.</p>		

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1919, as required by sec. 5 of the act of July 16, 1914 (38 Stat., 508).

MAINTENANCE, REPAIR, AND OPERATION OF VEHICLES NOW OWNED BY THE DEPARTMENT.

[NOTE.—The amount required for the maintenance, repair, and operation of vehicles to be purchased during the fiscal year ending June 30, 1919, is estimated for below.]

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	Number.	Description.	Amount.	Public purpose for which intended.	Officials and employees by whom used.
Office of Farm Management.	Motor propelled.	General expenses, Office of Farm Management.	1	Motorcycle....	\$200.00	Inspecting farms and other outlying districts not accessible by railroad in connection with the study of hay-drying methods.	H. B. McClure.
Weather Bureau....	do.....	General expenses, Weather Bureau.	1	do.....	30.00	Inspecting and repairing seacast telegraph line.	Repairman of Weather Bureau at Cape Henry, Va.
Bureau of Animal Industry.	do.....	Military horse breeding.	1	Automobile...	600.00	Inspecting horse-breeding stations which can not be reached by railroad.	Animal husbandman at Front Royal, Va.
Do.....	do.....	Eradicating hog cholera.	25	do.....	15,000.00	Transporting veterinarians from farm to farm investigating outbreaks of hog cholera and demonstrating methods for its eradication and control.	Veterinary inspectors at Ames, Iowa; Atlanta, Ga. (2 machines); Beatrice, Nebr. (2 machines); Columbus, Ohio; Indianapolis, Ind. (3 machines); Des Moines, Iowa (4 machines); Louisville, Ky.; Lansing, Mich.; Topeka, Kans. (3 machines); Mitchell, S. Dak.; Sedalia, Mo. (3 machines); College Park, Md.; Twin Falls, Idaho; and Fort Worth, Tex.
Do.....	do.....	Inspection and quarantine.	1	do.....	600.00	Inspecting cattle imported along the Canadian border.	Veterinarian at Pembina, N. Dak.
Do.....	do.....	Eradicating cattle ticks.	1	do.....	600.00	Traveling from farm to farm inspecting cattle for ticks, and demonstrating methods for their eradication and control.	Veterinarian at Washington, N. C.
Do.....	do.....	do.....	1	do.....	600.00	do.....	Veterinarian at Birmingham, Ala.
Do.....	do.....	do.....	1	do.....	600.00	do.....	Veterinarian at Houston, Tex.
Do.....	do.....	Diseases of animals....	1	do.....	600.00	Transporting employees between the Government sheep farm (near Vienna, Va.) and the towns of Vienna and Oakton, Va.; securing supplies for the farm and meeting trains when necessary.	Various farm employees.
Do.....	do.....	Eradicating cattle ticks.	1	Motorcycle....	175.00	Performing inspection work in connection with the dipping of cattle for ticks.	Veterinarian at Birmingham, Ala.
Do.....	Horse drawn....	Dairy industry.....	1	Buggy.....	35.00	Travel between the Government farm and Beltsville, Md., to meet trains and obtain mail and supplies.	Employees of the Beltsville Experiment Farm.
Do.....	do.....	Military horse breeding.	1	Omnibus.....	25.00	do.....	Do.
Do.....	do.....	do.....	1	Two-seated brake.	15.00	do.....	Do.
Do.....	do.....	do.....	1	Buggy.....	20.00	do.....	Do.
Do.....	do.....	do.....	2	do.....	35.00	Travel between the Government farm and Middlebury, Vt., to obtain mail and supplies.	Employees of the Morgan Horse Farm, near Middlebury, Vt.
Do.....	do.....	do.....	1	Two-seated sleigh.	20.00	do.....	Do.
Do.....	do.....	do.....	1	Surrey.....	20.00	do.....	Do.
Do.....	do.....	do.....	1	Single sleigh..	15.00	do.....	Do.
Do.....	do.....	do.....	2	Buggy.....	30.00	Inspecting horse-breeding stations in the vicinity of Lexington, Ky., not accessible by railroad.	Animal husbandman at Lexington, Ky.
Do.....	do.....	do.....	1	do.....	20.00	Inspecting horse-breeding stations in the vicinity of Front Royal, Va., not accessible by railroad.	Animal husbandman at Front Royal, Va.
Do.....	do.....	Diseases of animals....	1	do.....	25.00	Inspecting Government sheep farm (near Vienna, Va.); transporting employees between the farm and the towns of Vienna and Oakton, Va.; securing supplies for the farm; and meeting trains.	Various farm employees.
Do.....	do.....	do.....	1	do.....	25.00	Transporting employees between the Government experiment station, Bethesda, Md., and the District of Columbia line, and carrying small supplies needed at the station from time to time.	Station employees.
Bureau of Plant Industry.	Motor propelled.	Demonstrations on reclamation projects.	10	Automobile...	3,825.00	Conducting demonstration work on Government reclamation projects. As this work is performed chiefly on individual farms its prosecution necessitates frequent travel to various parts of the projects. The projects have no adequate railroad facilities and the use of motor vehicles is therefore essential in order to assure the most effective results. This is particularly true in instances where demonstration men are called upon to assist farmers in connection with animal diseases where prompt action is imperative.	Agriculturists in charge of demonstrations on the Huntley, North Platte, Truckee-Carson, Boise, Tieton, Uncompahgre, Minidoka, Shoshone, Belle Fourche, and Yuma reclamation projects.
Do.....	do.....	Crop physiology.....	1	do.....	275.00	Inspection work in connection with cooperative experiments in date culture being conducted in the Coachella and Imperial Valleys of California.	Foreman of the Government date garden, Indio, Cal., and assistants.
Do.....	do.....	Dry-land agriculture..	1	do.....	400.00	Conducting shelter-belt inspection work at the Northern Great Plains Field Station, Mandan, N. Dak.	Superintendent of the Northern Great Plains Field Station, Mandan, N. Dak. and assistants.
Do.....	do.....	Forest pathology.....	1	Motorcycle....	60.00	Conducting investigations in the vicinity of Madison, Wis., in connection with diseases of forest trees.	C. J. Humphrey.
Do.....	do.....	do.....	1	do.....	60.00	Conducting investigations in the vicinity of Albuquerque, N. Mex., in connection with diseases of forest trees.	W. H. Long.
Do.....	do.....	Sugar-plant investigations.	1	do.....	125.00	Performing travel between points in southern California where experiments are under way in connection with the study of curly-top and other diseases of the sugar beet.	Eubanks Carsner.
Do.....	do.....	Arlington Farm.....	1	do.....	50.00	Patrol duty on the Arlington Farm.....	Various farm employees.

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1919, as required by sec. 5 of the act of July 16, 1914 (38 Stat., 508)—Continued.

MAINTENANCE, REPAIR, AND OPERATION OF VEHICLES NOW OWNED BY THE DEPARTMENT—Continued.

Bureau, division, or office.	Horse drawn or motor propelled.	Appropriation.	Number.	Description.	Amount.	Public purpose for which intended.	Officials and employees by whom used.
Bureau of Plant Industry—Contd.	Motor propelled.	Fruit diseases.....	1	Motoreycle ...	\$40.00	Visiting small-fruit plantations in the New England States in the conduct of fruit-disease investigations.	N. E. Stevens.
Do.....	do.....	Western irrigation agriculture.	1	do.....	50.00	Conducting investigational and inspection work on irrigation projects in the vicinity of San Antonio, Tex.	Superintendent of the San Antonio, Tex., Experiment Farm.
Do.....	Horse drawn.	do.....	12	Buggies.....	165.00	Conducting investigational and inspection work on irrigation projects, and transporting employees between Government experimental farms and adjacent towns in connection with the purchase of supplies and equipment for the farms. These experimental farms are located at distances varying from 1 to 7 miles from railroads, and conveyances are absolutely essential to the proper and expeditious conduct of the work.	Superintendents of the San Antonio, Yuma, Belle Fourche, Truckee-Carson, Huntley, Umatilla, and Scottsbluff Experiment Farms.
Do.....	do.....	Dry-land agriculture..	6	do.....	90.00	Conducting investigational and inspection work at farms in the vicinity of Government field stations, and transporting employees between the stations and adjacent towns for the purchase of necessary supplies and equipment.	Superintendents and assistant superintendents of the Akron, Colo.; Mandan, N. Dak.; Scottsbluff, Nebr.; Lawton, Okla.; Woodward, Okla.; and Ardmore, S. Dak., field stations.
Do.....	do.....	Foreign seed and plant introduction.	1	Buggy.....	25.00	Performing necessary travel between the plant-introduction field station near Chico, Cal., and the town of Chico to arrange for the securing of supplies and equipment needed at the station from time to time in connection with investigations being conducted.	R. L. Beagles, superintendent, plant-introduction field station, Chico, Cal.
Do.....	do.....	Arlington Farm.....	1	do.....	25.00	Superintending the various field operations being conducted on the Arlington Farm. The farm contains approximately 400 acres and vehicles are absolutely essential in order properly to supervise the work being performed. The use of this vehicle, however, is confined to inclement weather.	E. C. Butterfield and assistants.
Do.....	do.....	Cereal investigations..	1	do.....	165.00	Transporting employees between the Crowley, La., field station and the town of Crowley, and conducting investigations at rice fields in the State of Louisiana.	Assistant agronomist in charge of rice experiments at Crowley, La., and assistants.
Do.....	do.....	Foreign seed and plant introduction.	1	Surrey.....	25.00	Performing necessary travel between the plant-introduction field station near Rockville, Md., and the town of Rockville to arrange for the securing of supplies and equipment needed at the station from time to time in connection with investigations being conducted.	J. M. Rankin, superintendent, plant-introduction field station, Rockville, Md., and assistants.
Do.....	do.....	Dry-land agriculture..	1	do.....	15.00	Conducting investigational and inspection work at farms in the vicinity of Mandan, N. Dak., and transporting employees between the Mandan, N. Dak., field station and the town of Mandan from time to time in connection with the purchase of necessary supplies and equipment.	Superintendent, Northern Great Plains Field Station, Mandan, N. Dak., and assistants.
Do.....	do.....	Arlington Farm.....	2	Runabouts....	200.00	Superintending the various field operations being conducted on the Arlington Farm. The farm contains approximately 400 acres and vehicles are absolutely essential in order properly to supervise the work being performed.	E. C. Butterfield and assistants.
Do.....	do.....	Western irrigation agriculture.	1	Road cart.....	5.00	Conducting investigational and inspection work on the Truekee-Carson irrigation project.	Superintendent of the Truekee-Carson Experiment Farm.
Forest Service.....	Motor propelled.	General expenses, Forest Service.	1	Automobile...	600.00	Improvement, land classification, and land survey work on the National Forests in the State of California.	Forest officers.
Do.....	do.....	do.....	1	Automobile (with flanged wheels for railroad).	103.00	Transporting fire-fighting crews and equipment engaged in forest-fire protection on the Sierra National Forest.	Forest rangers, patrolmen, and fire fighters.
Do.....	do.....	do.....	13	Motorcycles...	1,224.00	Forest-fire protection on the Black Hills, Cabinet, Cascade, Coconino, Coronado, Deerlodge, Gila, Harney, Kootenai, Lolo, Missoula, Pend Oreille, and White Mountain National Forests.	Forest rangers and fire patrolmen.
Do.....	do.....	do.....	28	Railroad speeders.	1,861.00	Forest-fire protection on the Blackfeet, Cabinet, Cascade, Chugach, Coeur d'Alene, Colville, Deerlodge, Flathead, Jefferson, Kootenai, Lolo, Medicine Bow, Pend Oreille, Shasta, Snoqualmie, Superior, Targhee, and Tusayan National Forests.	Do.
Bureau of Chemistry.	do.....	Citrus by-products investigations.	1	Automobile...	480.00	Performing travel to citrus groves in the State of California in connection with investigations being conducted. These groves for the most part are inaccessible by railroad, and in many instances where railroad facilities are available the time of trains is such that not infrequently an entire day is consumed in performing two or three hours' work. The economy effected through the use of a motor vehicle is therefore obvious. This machine is also used in the collection of samples and the transportation of apparatus used in the citrus work.	E. M. Chace and assistants.
Do.....	do.....	Enforcement of the food and drugs act.	1	Motorcycle....	60.00	Performing necessary travel in connection with the conduct of oyster investigations, milk campaigns, and inspection work at canneries.	H. E. Runkel and other employees of the Microbiological Laboratory.
Bureau of Entomology.	do.....	Cereal and forage insects.	1	Automobile...	350.00	Collecting data and performing investigational work in the vicinity of Wellington, Kans.	E. O. G. Kelly.
Do.....	do.....	do.....	1	Motorcycle....	50.00	Conducting investigations of insects affecting clover seed, alfalfa, etc., in the vicinity of Forest Grove, Oreg., where railway facilities are unusually poor.	C. W. Creel.
Do.....	do.....	do.....	2	Motorcycles..	155.00	Conducting investigations at ranches in the vicinity of Tempe, Ariz.	D. J. Caffrey and V. L. Wildermuth.

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1919, as required by sec. 5 of the act of July 16, 1914 (38 Stat., 508)—Continued.

MAINTENANCE, REPAIR, AND OPERATION OF VEHICLES NOW OWNED BY THE DEPARTMENT—Continued.

Bureau, division, or office.	Horse drawn or motor propelled.	Appropriation.	Number.	Description.	Amount.	Public purpose for which intended.	Officials and employees by whom used.
Bureau of Entomology—Contd.	Motor propelled	Cereal and forage insects.	1	Motorcycle...	\$60.00	Collecting data, carrying supplies, and visiting points in the vicinity of Knoxville, Tenn., inaccessible by other means of transportation.	G. G. Ainslie.
Do.....	do.....	do.....	1	do.....	50.00	Conducting investigations in connection with alfalfa insects in the vicinity of Martinez, Cal.	T. D. Urbahns.
Do.....	do.....	do.....	1	do.....	90.00	Conducting investigational work in the vicinity of La Fayette, Ind., on the white grub and Hessian fly.	C. F. Turner.
Do.....	do.....	Deciduous-fruit insects	1	Automobile...	225.00	Conducting cranberry-insect investigations over a large territory in the vicinity of Tomas River, N. J., and transporting Government property used in the work.	H. B. Scammell.
Do.....	do.....	do.....	1	Motorcycle...	60.00	Studying orchard-spraying machinery and insecticides at points near Benton Harbor, Mich.	F. L. Simanton.
Do.....	do.....	do.....	1	do.....	40.00	Conducting peach-insect investigations in the vicinity of Sandusky, Ohio.	H. G. Ingerson.
Do.....	do.....	do.....	1	do.....	35.00	Collecting data in connection with investigations of deciduous-fruit insects in the vicinity of Paxinos, Pa.	A. J. Flebut.
Do.....	do.....	Southern field-crop insects.	1	Automobile...	550.00	Performing investigational work in the vicinity of Florence, Mont., in connection with ticks and other insects affecting the health of animals.	H. P. Wood.
Do.....	do.....	do.....	1	do.....	600.00	Inspecting plantations in the vicinity of Tallulah, La., where experiments are being conducted.	B. R. Coad.
Do.....	do.....	do.....	1	Motorcycle...	50.00	Inspecting plantations in the vicinity of Tallulah, La., when it is impracticable to use an automobile for the purpose.	Do.
Do.....	do.....	do.....	1	do.....	45.00	Conducting investigations in the vicinity of Dallas, Tex., in connection with insects affecting the health of man and animals.	F. C. Bishopp.
Do.....	do.....	do.....	1	do.....	65.00	Conducting investigations in the vicinity of New Orleans, La., in connection with southern field-crop insects.	T. E. Holloway.
Do.....	do.....	Tropical and subtropical fruit insects.	1	do.....	60.00	Conducting spraying experiments at selected groves in the State of California against citrus-fruit insects.	R. S. Woglum.
Do.....	do.....	Truck-crop and stored-product insects.	1	do.....	25.00	Conducting spraying experiments against the pea aphid in connection with the large commercial plantings of peas in the vicinity of Hart, Mich.	A. C. Johnson.
Do.....	do.....	do.....	1	do.....	25.00	Conducting investigations of potato insects in the vicinity of Pasadena, Cal.	B. L. Boyden.
Do.....	do.....	do.....	1	do.....	45.00	Truck-crop insect investigations in the vicinity of River Head, Long Island.	H. O. Marsh.
Do.....	do.....	do.....	1	do.....	65.00	Collecting necessary data in connection with investigations of the Argentine corn weevil being conducted in the State of Kansas.	F. M. Wadley.
Do.....	do.....	do.....	1	do.....	55.00	Sugar-beet insect investigations in California.	C. F. Stahl.
Do.....	do.....	Mediterranean fruit fly	1	do.....	150.00	Investigations of the Mediterranean fruit fly in Honolulu, Hawaii.	C. E. Pemberton.
Do.....	do.....	Preventing spread of moths.	4	Automobiles...	1,530.00	Supervising and directing laboratory, scouting, quarantine, and silvicultural work; colonizing parasites; and making immediate inspection of perishable nursery stock at nurseries located in the infested area upon telegraphic or telephonic requests.	Principal assistants in charge of investigations, and scientific assistants, foremen, and scouts under their supervision and direction.
Do.....	do.....	do.....	7	Motorcycles...	325.00	Collecting insects, parasitized material, and food plants to be used in experimental work; determining spread of parasites and natural enemies in the field; scouting new territory; and directing operations of field parties engaged in scouting and extermination work.	Scientific assistants, gipsy-moth assistants, foremen, scouts, and scout inspectors.
Bureau of Biological Survey.	do.....	Maintenance of mammal and bird reservations.	1	Motorcycle...	175.00	Patrolling the Malheur Lake Bird Reservation, Oreg.	Warden in charge.
States Relations Service.	do.....	Porto Rico Experiment Station.	2	Automobiles...	550.00	Transportation of station specialists having supervision of cooperative work being conducted in Porto Rico.	Agronomist in charge of Porto Rico Experiment Station and assistants.
Bureau of Public Roads.	do.....	Road building and maintenance investigations.	1	Automobile...	600.00	Personal supervision and inspection of construction work, and transporting employees to the laboratory building which it is proposed to erect on the Arlington Farm.	Highway engineers and employees to be assigned to the laboratory on the Arlington Farm.
Do.....	do.....	do.....	1	do.....	600.00	Supervision and inspection of work in progress demanding the close and more or less continuous presence of a representative of the Bureau of Public Roads. These machines are used only where the length of a construction project is so great as to make it practically impossible for an engineer to inspect the work expeditiously by any other means.	Highway engineers.
Do.....	do.....	Road-material investigations.	1	do.....	480.00	Supervision of maintenance work in progress demanding the close and more or less continuous presence of a representative of the Bureau of Public Roads. The length of maintenance projects renders it impossible to inspect the work expeditiously by any other means.	Do.
Bureau of Markets.	do.....	Enforcement of the United States grain standards act.	1	do.....	330.00	Transporting employees engaged in the collection of grain samples from the various railroad yards, elevators, and warehouses in the city of Chicago.	Employees of the office of Federal grain supervision, Chicago, Ill.
Total.....					36,658.00		

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1919, as required by sec. 5 of the act of July 16, 1914 (38 Stat., 508)—Continued.

TO BE PURCHASED DURING THE FISCAL YEAR 1919.

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	For purchase.						Net cost.	For maintenance, repair, and operation.	Public purpose for which intended.	Officials and employees by whom used.
			New vehicles.			Vehicles to be exchanged.						
			Number.	Description.	Gross cost.	Number.	Description.	Allowance (estimated).				
Bureau of Plant Industry.	Motor propelled.	Demonstrations on reclamation projects.	1	Automobile...	\$345				\$345	\$350	Conducting demonstration work on the Umatilla reclamation project. As this work is performed chiefly on individual farms, its prosecution necessitates frequent travel to various parts of the project. There are no adequate railroad facilities available, and a means of rapid transportation must be provided if the work is to be effective. This is particularly true in cases where demonstration men are called upon in connection with animal diseases and where prompt action is imperative.	Agriculturist in charge of demonstration work on the Umatilla reclamation project, and assistants.
Forest Service.....do.....	General expenses, Forest Service.	1	Motorcycle....	400	1	Motorcycle...	\$50	350	112	Forest-fire protection on the Gila National Forest.	Forest rangers and patrolmen.
Do.....do.....do.....	1do.....	390	1do.....	100	290	77	Forest-fire protection on the Cache National Forest.	Do.
Do.....do.....do.....	1do.....	335				335	51	Forest-fire protection on the Pend Oreille National Forest.	Do.
Do.....do.....do.....	1do.....	250				250	54	Forest-fire protection on the Coeur d'Alene National Forest.	Do.
Do.....do.....do.....	1	Motorcycle (with side van).	400				400	110	Forest-fire protection and administration on the Carson National Forest.	Do.
Do.....do.....do.....	1	Motorcycle....	295				295	85	Forest-fire protection on the Oregon National Forest.	Do.
Do.....do.....do.....	1	Railroad speeder.	360				360	23	Forest-fire protection on the Shasta National Forest.	Do.
Do.....do.....do.....	1do.....	210				210	43	Forest-fire protection on the Sierra National Forest.	Do.
Bureau of Entomology.do.....	Deciduous-fruit insects.	1	Motorcycle....	260	1	Motorcycle...	55	205	75	Conducting investigations of the codling moth in the vicinity of Grand Junction, Colo. The motorcycle proposed to be exchanged was purchased on June 30, 1913, and is in very poor condition.	H. K. Plank.
Do.....do.....do.....	1do.....	260	1do.....	30	230	75	Conducting grape-insect investigations in the vicinity of Portland, Oreg. The motorcycle proposed to be exchanged was purchased on Jan. 24, 1911, and is now in such poor condition that it is of little or no value.	E. J. Newcomer.
Do.....do.....do.....	1do.....	260	1do.....	50	210	75	Conducting spraying experiments at Roswell, N. Mex. The motorcycle proposed to be exchanged was purchased in March, 1913, and is now in such poor condition that it is of little or no value.	R. J. Flsko.

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1919, as required by sec. 5 of the act of July 16, 1914 (38 Stat., 508)—Continued.

TO BE PURCHASED DURING THE FISCAL YEAR 1919—Continued.

Bureau, division, or office.	Horse-drawn or motor-propelled.	Appropriation.	For purchase.						Net cost.	For maintenance, repair, and operation.	Public purpose for which intended.	Officials and employees by whom used.
			New vehicles.			Vehicles to be exchanged.						
			Number.	Description.	Gross cost.	Number.	Description.	Allowance (estimated).				
Bureau of Entomology.	Motor propelled.	Preventing spread of moths.	5	Automobiles..	\$1,800	{ 3 11	Automobiles.. Motoreycles..	\$400 275	\$1,125	\$1,500	It is proposed to use 3 of these machines in supervising the field work of from 200 to 300 men employed in various parts of the moth-infested area, and in transferring men and equipment from place to place in localities where there are no regular transportation facilities available. The remaining 2 will be used for collecting insects, parasitized material, and food plants necessary in the conduct of experimental work; for colonizing parasites in sections where it is impossible to obtain livery; and for frequent short trips to supervise the work of scouting crews, spraying crews, etc. The automobiles and motorcycles proposed to be exchanged are in a more or less dilapidated and worn-out condition, and the cost of maintenance is unusually high by reason of the fact that they are almost constantly in need of repairs.	Principal assistants in charge of the investigation, and scientific assistants, foremen, and scouts acting under their supervision.
Do.....do.....	Southern field crop insects.	1do.....	360	1	Automobile..	150	210	300	Conducting experiments and investigations in connection with the boll weevil. This work is conducted on a large number of plantations for the reason that the character of the soil and timber and labor conditions on different plantations must be taken into consideration. The automobile now used in this work was purchased on July 16, 1915, and has been run over 36,000 miles. Practically all of this mileage has been made over unpaved roads with heavy loads consisting of poisons, dusting apparatus, and other materials used in field experiments, frequently in bad weather. The wear and tear on the machine, therefore, has been considerably greater than would be represented by the same mileage had it been run over paved roads.	A. C. Morgan.
Bureau of Public Roads.do.....	Investigating road building and maintenance.	3do.....	1,200	3	Automobiles..	360	900	1,500	Personal supervision and inspection of work in progress demanding the close and more or less continuous presence of a representative of the Bureau of Public Roads. Automobiles are used only where the length of a construction project is so great as to make it practically impossible for an engineer to inspect the work extensively by any other means.	Highway engineers.

Statement of proposed expenditures for the purchase, maintenance, repair, and operation of motor-propelled and horse-drawn passenger-carrying vehicles in the conduct of the field work of the Department of Agriculture outside of the District of Columbia for the fiscal year ending June 30, 1919, as required by sec. 5 of the act of July 16, 1914 (38 Stat., 508)—Continued.

TO BE PURCHASED DURING THE FISCAL YEAR 1919—Continued.

Bureau, division, or office.	Horse-drawn or motor- propelled.	Appropriation.	For purchase.						Net cost.	For main- te- nance, repair, and opera- tion.	Public purpose for which intended.	Officials and em- ployees by whom used.
			New vehicles.			Vehicles to be exchanged.						
			Num- ber.	Description.	Gross cost.	Num- ber.	Description.	Allow- ance (esti- mated).				
Bureau of Markets..	Motor pro- pelled.	Collecting and distributing market in- formation.	6	Automobiles..	\$2, 190	\$2, 190	\$1, 980	Transporting bureau rep- resentatives to railroad yards and produce mar- kets in New York, St. Louis, Kansas City, Philadelphia, and Min- neapolis in connec- tion with the securing of daily market infor- mation on fruits and vege- tables.	Employees of the Bureau of Mar- kets in charge of branch offices at New York, St. Louis, Kansas City, Philadel- phia, and Min- neapolis.
Do.....do.....	do.....do.....	Market reports on livestock and meats.	6	do.....do.....	2, 190	2, 190	1, 980	For use by representatives of the Bureau of Mar- kets in New York, Phil- adelphia, Boston, Kan- sas City, and Chicago, in making trips to stock yards, packing houses, railroad yards, etc., to collect necessary data in connection with the work of distributing market reports on livestock and meats, and performing travel to points in the country for the pur- pose of gathering statis- tics relative to the move- ment of live stock and information as to live- stock market conditions.	Employees of the Bureau of Mar- kets at New York, Philadel- phia, Boston, Kansas City, and Chicago.
Total.....	10, 095	8, 390

SUMMARY.

Bureau, division, or office.	Motor-propelled vehicles.			Horse-drawn vehicles.			Total.		
	For purchase.	For maintenance, repair, and operation.	Total.	For purchase.	For maintenance, repair, and operation.	Total.	Total for purchase.	Total for maintenance, repair, and operation.	Total for bureau, division, or office.
Office of Farm Management.....		\$200	\$200					\$200	\$200
Weather Bureau.....		30	30					30	30
Bureau of Animal Industry.....		18,775	18,775		\$285	\$285		19,060	19,060
Bureau of Plant Industry.....	\$345	5,235	5,580		715	715	\$345	5,950	6,295
Forest Service.....	2,490	4,343	6,833				2,490	4,343	6,833
Bureau of Chemistry.....		540	540					540	540
Bureau of Entomology.....	1,980	6,730	8,710				1,980	6,730	8,710
Bureau of Biological Survey.....		175	175					175	175
States Relations Service.....		550	550					550	550
Bureau of Public Roads.....	900	3,180	4,080				900	3,180	4,080
Bureau of Markets.....	4,380	4,290	8,670				4,380	4,290	8,670
Total.....	10,095	44,048	54,143		1,000	1,000	10,095	45,048	55,143

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<i>Eradication of Foot-and-Mouth and Other Contagious Diseases of Animals—</i> (6) In case of an emergency arising out of the existence of foot-and-mouth disease, rinderpest, contagious pleuropneumonia, or other contagious or infectious disease of animals which, in the opinion of the Secretary of Agriculture, threatens the live-stock industry of the country, he may expend in the city of Washington or elsewhere, out of any money in the Treasury not otherwise appropriated, the sum of \$1,000,000, which sum is hereby appropriated, or so much thereof as he determines to be necessary, in the arrest and eradication of any such disease, including the payment of claims growing out of past and future purchases and destruction, in cooperation with the States, of animals affected by or exposed to, or of materials contaminated by or exposed to, any such disease, wherever found and irrespective of ownership, under like or substantially similar circumstances, when such owner has complied with all lawful quarantine regulations: <i>Provided</i> , That the payment for animals hereafter purchased may be made on appraisement based on the meat, dairy, or breeding value, but in case of appraisement based on breeding value no appraisement of any animal shall exceed three times its meat or dairy value, and except in case of an extraordinary emergency, to be determined by the Secretary of Agriculture, the payment by the United States Government for any animal shall not exceed one-half of any such appraisements: <i>Provided further</i> , That so much of the appropriation of \$2,500,000 made by the agricultural appropriation act of March fourth, nineteen hundred and fifteen, for the fiscal year ending June thirtieth, nineteen hundred and sixteen, for the arrest and eradication of foot-and-mouth disease, rinderpest, contagious pleuropneumonia, or other contagious or infectious disease of animals, as remains unexpended at the close of the fiscal year nineteen hundred and seventeen <i>eighteen</i> , is hereby reappropriated and made available for expenditure during the fiscal year ending June thirtieth, nineteen hundred and eighteen <i>nineteen</i> , for the objects mentioned in said appropriation act, including necessary investigations to determine whether said diseases have been completely eradicated in districts where they previously existed (<i>acts Mar. 4, 1915, vol. 38, p. 1115, sec. 1; Mar. 4, 1917, vol. 39, p. 1167, sec. 1</i>) -----	\$1,000,000.00	\$1,000,000.00
NOTE.—The language of this item has been changed slightly, in order to make available for expenditure during the fiscal year 1919 any unexpended balance of an appropriation of \$2,500,000 for this purpose carried in the agricultural act for the fiscal year 1916. The present act makes this balance available for expenditure only during the fiscal year 1918.		
Deficiency for 1915..... \$2,500,000 Appropriation for 1916..... 2,500,000 Appropriation for 1917..... 1,250,000 Appropriation for 1918..... 1,000,000	Estimate for 1917..... \$2,500,000 Estimate for 1918..... 1,250,000 Estimate for 1919..... 1,000,000	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
<p>(7) That to provide, during the fiscal year nineteen hundred and eighteen, for all persons employed under the Department of Agriculture, including on the lump-sum rolls only those persons who are carried thereon at the close of the fiscal year ending June thirtieth, nineteen hundred and seventeen, increased compensation at the rate of ten per centum per annum to such employees who receive salaries or wages from such department at a rate per annum less than \$1,200, and increased compensation at a rate of five per centum per annum to such employees who receive salaries or wages from such department at a rate of not more than \$1,800 per annum and not less than \$1,200 per annum, so much as may be necessary is hereby appropriated out of any moneys in the Treasury not otherwise appropriated: <i>Provided</i>, That the increased compensation provided by this section shall not apply to persons, whose duties require only a portion of their time, except charwomen, or whose services are needed for brief periods at intervals, or to any persons who receive a part of their salaries or wages from any outside sources under cooperative arrangements with the Department of Agriculture: <i>Provided further</i>, That detailed reports shall be submitted to Congress on the first day of the next session showing the number of persons, the grades or character of positions, the original rates of compensation, and the increased rates of compensation provided for herein.]</p> <p>(8) The President is hereby authorized to extend invitations to other nations to appoint delegates or representatives to the International Farm Congress, to be held at Peoria, Illinois, in connection with the International Soil-Products Exposition, during the fiscal year nineteen hundred and eighteen: <i>Provided</i>, That no appropriation shall be granted or used for the expenses of delegates.]</p> <p>NOTE.—This item is omitted as the congress was held during the period September 18 to 29, 1917. No expenditures by the department in connection with this congress were authorized.</p>		
<p>(9) <i>Officers and employees of the Department of Agriculture traveling on official business, when authorized by the Secretary of Agriculture to receive per diem allowances in lieu of subsistence, in accordance with sec. 13 of the act of Aug. 1, 1914 (38 Stat., 318), shall receive such allowances from each lump-sum appropriation provided for herein and made available for travel expenses, at rates of \$1, \$1.50, \$2, \$2.50, \$3, \$3.50, or \$4, varying with the character of work to be performed and the section of the country to be visited.</i></p> <p>NOTE.—This item is annually submitted in accordance with sec. 13 of the act of Aug. 1, 1914 (38 Stat., 680).</p>		

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

General object (title of appropriation), date of acts, references to Statutes at Large, or to Revised Statutes, and estimated amount required for each detailed object.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.
(10) [That in order to carry out the purposes mentioned in section three of the Act of March first, nineteen hundred and eleven, entitled "An Act to enable any State to cooperate with any other State or States, or with the United States, for the protection of the watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers" (Thirty-sixth Statutes at Large, page nine hundred and sixty-one), as amended, there is hereby appropriated out of any money in the Treasury not otherwise appropriated, available until expended, the sum of * * * and \$2,000,000 for the fiscal year ending on the thirtieth day of June, nineteen hundred and eighteen] (<i>act Aug. 11, 1916, vol. 39, p. 462, sec. 1</i>) -----		\$2,000,000.00
NOTE.—This item, which appeared in the agricultural act for 1917, approved Aug. 11, 1916 (38 Stat., 462), appropriated \$1,000,000 for carrying out the purposes of the Weeks forestry act during the fiscal year 1917 and \$2,000,000 during the fiscal year 1918. It is reprinted in these estimates at the suggestion of the Treasury Department in order that the total of all appropriations for 1918 may be compared with the total of the estimates for 1919. No legislation is required and the item may be omitted.		
Total salaries, Department of Agriculture -----	\$6,025,050.00	5,555,360.00
Total general expenses, Department of Agriculture -----	20,433,501.00	22,373,753.00
Grand total, Department of Agriculture -----	26,458,551.00	27,929,113.00
Total appropriations included in the Agricultural appropriation act:	Total amount submitted in printed estimates for inclusion in the Agricultural appropriation bill:	
For the fiscal year 1909..... \$11,672,106	For the fiscal year 1910..... \$14,610,626	
For the fiscal year 1910..... 12,995,036	For the fiscal year 1911..... 13,377,136	
For the fiscal year 1911..... 13,487,636	For the fiscal year 1912..... 15,997,066	
For the fiscal year 1912..... 16,900,016	For the fiscal year 1913..... 17,233,452	
For the fiscal year 1913..... 16,651,496	For the fiscal year 1914..... 18,287,230	
For the fiscal year 1914..... 17,986,945	For the fiscal year 1915..... 19,061,332	
For the fiscal year 1915..... 19,865,832	For the fiscal year 1916..... 20,706,013	
For the fiscal year 1916..... 22,971,782	For the fiscal year 1917..... 24,159,089	
For the fiscal year 1917..... 24,948,852	For the fiscal year 1918..... 26,096,907	
For the fiscal year 1918..... 25,929,113	For the fiscal year 1919..... 26,458,551	
NOTE.—The estimate of the Secretary of Agriculture for "printing and binding," under sec. 2, act of May 8, 1872 (Rev. Stat., 720, sec. 3661), will be found under the title of "Miscellaneous," <i>post</i> , in the Book of Estimates.		
For statement of condition of work, efficiency of employees, etc., see Appendix C, in the Book of Estimates.		

Buildings rented by the Department of Agriculture in the District of Columbia for the fiscal year 1918.

Name or location of building.	Purpose for which used.	Floor space (gross).	Annual rental.	Annual rental per square foot.	Assessed valuation of buildings and grounds.	Proportion of rental covering cost of heat, light, water, elevator or other service.
1358 B Street SW	Bureau of Markets, department library, Bureau of Plant Industry, Bureau of Biological Survey, Bureau of Crop Estimates, Division of Publications (offices and laboratories).	<i>Sq. feet.</i> 88,955	\$35,360	\$0.397	\$280,769.00	(1)
220 Fourteenth Street SW	Bureau of Plant Industry, States Relations Service (offices and storage).	55,603	20,000	.36	183,294.00	(1)
930 F Street NW. (Atlantic Building)	Forest Service (offices)	45,310	13,000	.397	208,005.00	\$9,407.06
601 Thirteenth Street NW. (Honor Building) (portion of second and third floors)	Bureau of Markets, Bureau of Plant Industry (offices)	19,819	17,000	.857	1,303,650.00	300.00
216 Thirteenth Street SW. (Chemistry Building) ..	Bureau of Chemistry (offices and laboratories)	56,154	16,000	.284	146,792.00	(1)
710 E Street NW. (Busch Building)	Bureau of Animal Industry, Bureau of Soils (offices and storage)	36,149	12,000	.331	124,515.00	(1)
513-515 Fourteenth Street NW. (Willard Building) ..	Office of Public Roads and Rural Engineering (offices and laboratories) ..	33,851	9,500	.281	126,653.00	(1)
339-341 Pennsylvania Avenue NW. (Globe Building) ..	Bureau of Plant Industry (packeting, assembling, and mailing seeds; storage) ..	39,279	4,800	.122	40,969.00	(1)
215 Thirteenth Street SW	Division of Publications (offices and storage)	18,258	4,000	.218	31,930.00	(1)
1316 B Street SW	Office of the Solicitor (offices and storage)	9,792	3,000	.306	27,006.00	(1)
220 Thirteenth Street SW	Insecticide and Fungicide Board, Bureau of Chemistry (offices and laboratories) ..	9,843	3,000	.304	25,567.00	(1)
200-202 Fourteenth Street SW	Bureau of Plant Industry, States Relations Service, Federal Horticultural Board, Bureau of Biological Survey, Office of Forest Appeals (offices and laboratories) ..	14,077	3,000	.213	32,153.00	(1)
1350 B Street SW	Bureau of Animal Industry (offices)	6,405	2,700	.421	29,580.00	(1)
1304-1306 B Street SW	Bureau of Plant Industry (offices and storage)	13,010	2,500	.192	32,504.00	(1)
224 Twelfth Street SW	Office of Farm Management (offices and storage)	11,894	2,500	.21	25,613.00	(1)
215 Twelfth Street SW	Office of Farm Management (offices)	2,810	450	.16	5,468.00	(1)
217 Twelfth Street SW	Office of Farm Management, Office of Exhibits (offices) ..	2,596	450	.173	7,075.00	(1)
Munsey Building, room 638	Bureau of Animal Industry (offices)	481	420	1.326	1,860,519.00	100.00
221 Linworth Place, SW	Bureau of Markets, Bureau of Animal Industry (offices, warehouse, cotton and paper work) ..	22,067	5,400	.245	46,931.00	(1)
220 Linworth Place SW	Bureau of Markets, Bureau of Animal Industry, Office of the Secretary (storage) ..	15,820	3,750	.237	28,765.00	(1)
Terminal storage warehouse (E Street SW., between Eleventh and Twelfth Streets) ..	Bureau of Markets (storage of cotton and paper)	4,519	1,200	.265	271,570.50	(1)
1315 C Street NW	Bureau of Markets (storage of cotton)	3,680	1,000	.271	6,564.00	(1)
212-214 Thirteenth Street SW	Bureau of Chemistry (supply rooms and storage)	9,002	960	.106	13,138.00	(1)
Rear of 215 Twelfth Street SW	Bureau of Chemistry, Bureau of Biological Survey, and Bureau of Markets (storage) ..	2,906	600	.206	5,103.00	(1)
929 Seventh Street SW	Bureau of Soils, Bureau of Animal Industry, Office of Public Roads and Rural Engineering (storage) ..	8,553	600	.07	16,393.00	(1)
2511 M Street NW	Weather Bureau (storage)	2,332	500	.214	(2)	(1)
920 F Street NW. (portion of basement)	Forest Service (storage)	930	420	.451	93,768.00	(1)
Rear of 913 E Street NW	Forest Service (workshop)	1,474	270	.185	4,200.00	(1)
Rear of 1228 C Street SW	Office of Public Roads and Rural Engineering (storage) ..	1,200	144	.12	600.00	(1)
Rear of 215 Linworth Place SW	Bureau of Animal Industry (storage)	295	120	.401	500.00	(1)
Rear of 349 Pennsylvania Avenue NW	Bureau of Plant Industry (garage)	233	84	.36	500.00	(1)
Total amount paid for rent in the District of Columbia.			169,728			

¹ None.² Not assessed.

Average rental 31.58 cents per square foot.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
PERMANENT ANNUAL APPROPRIATIONS.			
(1) <i>Meat Inspection, Bureau of Animal Industry—</i>			
That there is permanently appropriated, out of any money in the Treasury not otherwise appropriated, the sum of \$3,000,000, for the expenses of the inspection of cattle, sheep, swine, and goats, and the meat and meat-food products thereof which enter into interstate or foreign commerce, and for all expenses necessary to carry into effect the provisions of this act relating to meat inspection, including rent and the employment of labor in Washington and elsewhere, for each year. And the Secretary of Agriculture shall, in his annual estimates made to Congress, submit a statement in detail, showing the number of persons employed in such inspections and the salary or per diem paid to each, together with the contingent expenses of such inspectors and where they have been and are employed (<i>act June 30, 1906, vol. 34, pp. 674-679, secs. 1-22</i>)	\$3, 000, 000. 00	\$3, 000, 000. 00	\$3, 000, 000. 00
NOTE.—The detailed statement required by law has been submitted to Congress in a separate communication and will be printed as a public document.			
(2) <i>Refund to Depositors Excess of Deposits, National Forests Fund—</i>			
That all money received after July 1, 1907, by or on account of the Forest Service for timber, or from any other source of forest-reservation revenue, shall be covered into the Treasury of the United States as a miscellaneous receipt; and there is hereby appropriated and made available as the Secretary of Agriculture may direct, out of any funds in the Treasury not otherwise appropriated, so much as may be necessary to make refunds to depositors of money heretofore or hereafter deposited by them to secure the purchase price on the sale of any products or for the use of any land or resources of the national forests in excess of amounts found actually due from them to the United States.			
(3) That so much of an act entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1908," approved Mar. 4, 1907 (34 Stat. L., pp. 1256, 1270), which provides for refunds by the Secretary of Agriculture to depositors of moneys to secure the purchase price of timber or the use of lands or resources of the national forests such sums as may be found to be in excess of the amounts found actually due the United States, be, and is hereby, amended hereafter to appropriate and to include so much as may be necessary to refund or pay over to the rightful claimants such sums as may be found by the Secretary of Agriculture to have been erroneously collected for the use of any lands, or for timber or other resources sold from lands located within, but not a part of, the national forests, or for alleged illegal acts done upon such lands, which acts are subsequently found to have been proper and legal; and the Secretary of Agriculture shall make annual report to Congress of the amounts refunded hereunder (<i>acts Mar. 4, 1907, vol. 34, pp. 1256, 1270, sec. 1; Mar. 4, 1911, vol. 36, p. 1253, sec. 1</i>)	70, 000. 00	70, 000. 00	50, 398. 83

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
(4) <i>Acquisition of Lands for Protection of Watersheds of Navigable Streams—</i> That there is hereby appropriated, for the fiscal year ending June 30, 1910, the sum of \$1,000,000, and for each fiscal year thereafter a sum not to exceed \$2,000,000, for use in the examination, survey, and acquirement of lands located on the headwaters of navigable streams or those which are being or which may be developed for navigable purposes: <i>Provided</i> , That the provisions of this section shall expire by limitation on the 30th day of June, 1915 (<i>act Mar. 1, 1911, vol. 36, p. 961, sec. 3</i>)			\$1, 992, 066. 77
(5) <i>National Forest Reservation Commission—</i> That a sum sufficient to pay the necessary expenses of the commission and its members, not to exceed an annual expenditure of \$25,000, is hereby appropriated out of any money in the Treasury not otherwise appropriated. Said appropriation shall be immediately available and shall be paid out on the audit and order of the president of the said commission, which audit and order shall be conclusive and binding upon all departments as to the correctness of the accounts of said commission (<i>act Mar. 1, 1911, vol. 36, p. 963, sec. 14</i>)	\$25, 000. 00	\$25, 000. 00	69. 60
(6) <i>Cooperative Agricultural Extension Work—</i> That for the purpose of paying the expenses of said cooperative agricultural extension work and the necessary printing and distributing of information in connection with the same, there is permanently appropriated, out of any money in the Treasury not otherwise appropriated, the sum of \$480,000 for each year, \$10,000 of which shall be paid annually, in the manner hereinafter provided, to each State which shall by action of its legislature assent to the provisions of this act: <i>Provided</i> , That payment of such installments of the appropriation hereinbefore made as shall become due to any State before the adjournment of the regular session of the legislature meeting next after the passage of this Act may, in the absence of prior legislative assent, be made upon the assent of the governor thereof, duly certified to the Secretary of the Treasury: <i>Provided further</i> , That there is also appropriated an additional sum of \$600,000 for the fiscal year following that in which the foregoing appropriation first becomes available, and for each year thereafter for seven years a sum exceeding by \$500,000 the sum appropriated for each preceding year, and for each year thereafter there is permanently appropriated for each year the sum of \$4,100,000 in addition to the sum of \$480,000 hereinbefore provided: <i>Provided further</i> , That before the funds herein appropriated shall become available to any college for any fiscal year plans for the work to be carried on under this act shall be submitted by the proper officials of each college and approved by the Secretary of Agriculture. Such additional sums shall be used only for the purposes hereinbefore stated, and shall be allotted annually to each State by the Secretary of Agriculture and paid in the manner hereinbefore provided, in the proportion which the rural popu-			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
<i>Cooperative Agricultural Extension Work—Continued.</i>			
lation of each State bears to the total rural population of all the States as determined by the next preceding Federal census: <i>Provided further</i> , That no payment out of the additional appropriations herein provided shall be made in any year to any State until an equal sum has been appropriated for that year by the legislature of such State, or provided by State, county, college, local authority, or individual contributions from within the State, for the maintenance of the cooperative agricultural extension work provided for in this Act (<i>act May 8, 1914, vol. 38, p. 373, sec. 3</i>)	\$2, 580, 000. 00	\$2, 080, 000. 00	\$1, 577, 923. 73
(7) <i>Cooperative Construction of Rural Post Roads—</i>			
<p>The Secretary of Agriculture is authorized to cooperate with the States, through their respective State highway departments, in the construction of rural post roads; but no money apportioned under this Act to any State shall be expended therein until its legislature shall have assented to the provisions of this Act, except that, until the final adjournment of the first regular session of the legislature held after the passage of this Act, the assent of the governor of the State shall be sufficient. The Secretary of Agriculture and the State highway department of each State shall agree upon the roads to be constructed therein and the character and method of construction: <i>Provided</i>, That all roads constructed under the provisions of this Act shall be free from tolls of all kinds.</p> <p>SEC. 3. That for the purpose of carrying out the provisions of this Act there is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the fiscal year ending June thirtieth, nineteen hundred and seventeen, the sum of \$5,000,000; for the fiscal year ending June thirtieth, nineteen hundred and eighteen, the sum of \$10,000,000; for the fiscal year ending June thirtieth, nineteen hundred and nineteen, the sum of \$15,000,000; for the fiscal year ending June thirtieth, nineteen hundred and twenty, the sum of \$20,000,000; and for the fiscal year ending June thirtieth, nineteen hundred and twenty-one, the sum of \$25,000,000. So much of the appropriation apportioned to any State for any fiscal year as remains unexpended at the close thereof shall be available for expenditure in that State until the close of the succeeding fiscal year, except that amounts apportioned for any fiscal year to any State which has not a State highway department shall be available for expenditure in that State until the close of the third fiscal year succeeding the close of the fiscal year for which such apportionment was made. Any amount apportioned under the provisions of this Act unexpended at the end of the period during which it is available for expenditure under the terms of this section shall be reapportioned, within sixty days thereafter, to all the States in the same manner and on the same basis, and certified to the Secretary of the Treasury and to the State highway departments and to the governors of States having no State highway departments in the same way as if it were being apportioned under this Act for the first</p>			

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
(7) <i>Cooperative Construction of Rural Post Roads</i> —Continued.			
<p>time: <i>Provided</i>, That in States where the constitution prohibits the State from engaging in any work of internal improvements, then the amount of the appropriation under this Act apportioned to any such State shall be turned over to the highway department of the State or to the governor of said State to be expended under the provisions of this Act and under the rules and regulations of the Department of Agriculture, when any number of counties in any such State shall appropriate or provide the proportion or share needed to be raised in order to entitle such State to its part of the appropriation apportioned under this Act.</p> <p>SEC. 4. That so much, not to exceed three per centum, of the appropriation for any fiscal year made by or under this Act as the Secretary of Agriculture may estimate to be necessary for administering the provisions of this Act shall be deducted for that purpose, available until expended. Within sixty days after the close of each fiscal year the Secretary of Agriculture shall determine what part, if any, of the sums theretofore deducted for administering the provisions of this Act will not be needed for that purpose and apportion such part, if any, for the fiscal year then current in the same manner and on the same basis, and certify it to the Secretary of the Treasury and to the State highway departments, and to the governors of States having no State highway departments, in the same way as other amounts authorized by this Act, to be apportioned among all the States for such current fiscal year. The Secretary of Agriculture, after making the deduction authorized by this section, shall apportion the remainder of the appropriation for each fiscal year among the several States in the following manner: One-third in the ratio which the area of each State bears to the total area of all the States; one-third in the ratio which the population of each State bears to the total population of all the States, as shown by the latest available Federal census; one-third in the ratio which the mileage of rural delivery routes and star routes in each State bears to the total mileage of rural delivery routes and star routes in all the States, at the close of the next preceding fiscal year, as shown by the certificate of the Postmaster General, which he is directed to make and furnish annually to the Secretary of Agriculture.</p> <p>SEC. 5. That within sixty days after the approval of this Act the Secretary of Agriculture shall certify to the Secretary of the Treasury and to each State highway department and to the governor of each State having no State highway department the sum which he has estimated to be deducted for administering the provisions of this Act and the sum which he has apportioned to each State for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and on or before January twentieth next preceding the commencement of each succeeding fiscal year shall make like certificates for such fiscal year (<i>act July 11, 1916, vol. 39, p. 356, secs. 1, 3, 4, and 5</i>)</p>			
	\$15, 000, 000. 00	\$10, 000, 000. 00	\$34, 994. 32

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
(8) <i>Cooperative Construction, etc., of Roads and Trails, National Forests—</i>			
<p>SEC. 8. That there is hereby appropriated and made available until expended, out of any moneys in the National Treasury not otherwise appropriated, the sum of \$1,000,000 for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and each fiscal year thereafter, up to and including the fiscal year ending June thirtieth, nineteen hundred and twenty-six, in all \$10,000,000, to be available until expended under the supervision of the Secretary of Agriculture, upon request from the proper officers of the State, Territory, or county for the survey, construction, and maintenance of roads and trails within or only partly within the national forests, when necessary for the use and development of resources upon which communities within and adjacent to the national forests are dependent: <i>Provided</i>, That the State, Territory, or county shall enter into a cooperative agreement with the Secretary of Agriculture for the survey, construction, and maintenance of such roads or trails upon a basis equitable to both the State, Territory, or county, and the United States: <i>And provided also</i>, That the aggregate expenditures in any State, Territory, or county shall not exceed ten per centum of the value, as determined by the Secretary of Agriculture, of the timber and forage resources which are or will be available for income upon the national forest lands within the respective county or counties wherein the roads or trails will be constructed; and the Secretary of Agriculture shall make annual report to Congress of the amounts expended hereunder.</p> <p>That immediately upon the execution of any cooperative agreement hereunder the Secretary of Agriculture shall notify the Secretary of the Treasury of the amount to be expended by the United States within or adjacent to any national forest thereunder, and beginning with the next fiscal year and each fiscal year thereafter the Secretary of the Treasury shall apply from any and all revenues from such forest ten per centum thereof to reimburse the United States for expenditures made under such agreement until the whole amount advanced under such agreement shall have been returned from the receipts from such national forest.</p>			
<p>SEC. 9. That out of the appropriations made by or under this Act, the Secretary of Agriculture is authorized to employ such assistants, clerks, and other persons in the city of Washington and elsewhere, to be taken from the eligible lists of the Civil Service Commission, to rent buildings outside of the city of Washington; to purchase such supplies, material, equipment, office fixtures, and apparatus, and to incur such travel and other expense as he may deem necessary for carrying out the purposes of this Act (<i>act July 11, 1916, vol. 39, p. 358, secs. 8 and 9</i>).....</p>	\$1,000,000.00	\$1,000,000.00	\$21, 655. 03

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
<i>Special Funds.</i>			
(9) <i>Payment to States and Territories from the National Forests Fund—</i>			
That hereafter 25 per cent of all money received from each forest reserve during any fiscal year, including the year ending June 30, 1908, shall be paid at the end thereof by the Secretary of the Treasury to the State or Territory in which said reserve is situated, to be expended as the State or Territorial legislature may prescribe for the benefit of the public schools and public roads of the county or counties in which the forest reserve is situated: <i>Provided</i> , That when any forest reserve is in more than one State or Territory or county the distributive share to each from the proceeds of said reserve shall be proportional to its area therein (<i>acts Mar. 4, 1907, vol. 34, p. 1270, sec. 1; May 23, 1908, vol. 35, p. 260, sec. 1</i>)-----			
That 5 per cent of all moneys received during any fiscal year from each national forest into which the lands acquired under this act may from time to time be divided shall be paid, at the end of such year, by the Secretary of the Treasury to the State in which such national forest is situated, to be expended as the State legislature may prescribe for the benefit of the public schools and public roads of the county or counties in which such national forest is situated: <i>Provided</i> , That when any national forest is in more than one State or county the distributive share to each from the proceeds of such forest shall be proportional to its area therein: <i>Provided further</i> , That there shall not be paid to any State for any county an amount equal to more than 40 per cent of the total income of such county from all other sources (<i>act Mar. 1, 1911, vol. 36, p. 963, sec. 13</i>)-----	\$700, 000. 00	\$700, 000. 00	\$695, 541. 40
That sec. 13 of the act entitled "An act to enable any State to cooperate with any other State or States, or with the United States, for the protection of the watersheds of navigable streams, and to appoint a commission for the acquisition of lands for the purpose of conserving the navigability of navigable rivers," approved Mar. 1, 1911 (36 Stat. L., 963), is hereby amended by striking out the word "five" in the first line of said section and inserting in lieu thereof the word "twenty-five" (<i>act June 30, 1914, vol. 38, p. 441, sec. 1</i>)-----			

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
(10) <i>Cooperative Work, Forest Service—</i>			
<p>Hereafter all moneys received as contributions toward cooperative work in forest investigations shall be covered into the Treasury and shall constitute a special fund, which is hereby appropriated and made available until expended, as the Secretary of Agriculture may direct, for the payment of the expenses of said investigations by the Forest Service and for refunds to the contributors of amounts heretofore or hereafter paid in by them in excess of their share of the cost of said investigations (<i>acts Mar. 3, 1905, vol. 33, p. 1070, sec. 1; June 30, 1906, vol. 34, p. 684, sec. 1</i>) -----</p>			
(11) That hereafter all moneys received as contributions toward cooperative work in forest investigations, or the protection and improvement of the national forests, shall be covered into the Treasury and shall constitute a special fund, which is hereby appropriated and made available until expended, as the Secretary of Agriculture may direct, for the payment of the expenses of said investigations, protection, or improvements by the Forest Service, and for refunds to the contributors of amounts heretofore or hereafter paid in by them in excess of their share of the cost of said investigations, protection, or improvements: <i>Provided, That annual report shall be made to Congress of all such moneys so received as contributions for such cooperative work (act June 30, 1914, vol. 38, p. 430, sec. 1)</i> -----	\$35, 000. 00	\$35, 000. 00	\$110, 562. 00
(12) <i>Payment to School Funds, Arizona and New Mexico, National Forests Fund—</i>			
<p>At the close of each fiscal year there shall be paid by the Secretary of the Treasury to the State, as income for its common-school fund, such proportion of the gross proceeds of all the national forests within said State as the area of lands hereby granted to said State for school purposes which are situated within said forest reserves, whether surveyed or unsurveyed, and for which no indemnity has been selected, may bear to the total area of all the national forests within said States (<i>act June 20, 1910, vol. 36, p. 557, sec. 1</i>) -----</p>	45, 000. 00	45, 000. 00	41, 375. 12
(13) <i>Roads and Trails for States, National Forests Fund—</i>			
<p>That hereafter an additional 10 per cent of all moneys received from the national forests during each fiscal year shall be available at the end thereof, to be expended by the Secretary of Agriculture for the construction and maintenance of roads and trails within the national forests in the States from which such proceeds are derived; but the Secretary of Agriculture may, whenever practicable, in the construction and maintenance of such roads, secure the cooperation or aid of the proper State or Territorial authorities in the furtherance of any system of highways of which such roads may be made a part (<i>act Mar. 4, 1913, vol. 37, p. 843, sec. 1</i>) ---</p>	280, 000. 00	280, 000. 00	211, 669. 91

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
(14) <i>Proceeds, Sale of Timber from Indian Lands, Uintah National Forest—</i> Indefinite appropriation of the proceeds from the sale of timber on Uintah National Forest; such sums as may be appropriated being available for transfer from this special fund to the Indian trust fund "Proceeds of Uintah and White River Ute lands," upon rendition from time to time of auditor's certificates of settlement calling for transfer (<i>act Mar. 3, 1905, vol. 33, p. 1070, sec. 1</i>).....			
(15) <i>Agricultural Experiment Stations, Receipts from Sales</i> ¹ — Receipts from sales of products, Alaska (<i>act June 3, 1902, vol. 32, p. 302, sec. 1</i>)..... Receipts from sales of products, Hawaii (<i>same act</i>)..... Receipts from sales of products, Porto Rico (<i>same act</i>)..... Receipts from sales of products, Guam (<i>act May 23, 1908, vol. 35, p. 266, sec. 1</i>)..... Total Permanent and Indefinite under Department of Agriculture.....			\$1, 166. 73
	\$22,735,000.00	\$17,235,000.00	7, 737, 423. 44
(16) For the purpose of more effectually providing for the national security and defense and carrying on the war with Germany by gathering authoritative information concerning the food supply, by increasing production, by preventing waste of the food supply, by regulating the distribution thereof, and by other means and methods (<i>act Aug. 10, 1917, vol. 40, p. 374, sec. 1</i>).....		11, 346, 400. 00	
(17) On account of the menace to cotton culture in the United States arising from the existence of the pink bollworm in Mexico, the Secretary of Agriculture, in order to prevent the establishment and spread of such worm in Texas and other parts of the United States, is authorized to make surveys to determine its actual distribution in Mexico; to establish, in cooperation with the States concerned, a zone or zones free from cotton culture on or near the border of any State or States adjacent to Mexico; and to cooperate with the Mexican Government or local Mexican authorities in the extermination of local infestations near the border of the United States. For rent outside of the District of Columbia, and for the employment of such persons in the city of Washington and elsewhere, as the Secretary of Agriculture may deem necessary (<i>act Oct. 6, 1917, vol. 40, p. 374, sec. 1</i>).....		250, 000 00	

¹ These appropriations repealed by act of Mar. 4, 1915, vol. 38, p. 1109, sec. 1.

Estimates of appropriations required for the service of the fiscal year ending June 30, 1919—Continued.

	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1918.	Amount appropriated for the fiscal year ended June 30, 1917.
<i>Appropriations Transferred from other Departments—</i>			
[Carried in sundry civil act.]			
(18) For the protection of lands involved in Oregon and California Railroad forfeiture suit: To enable the Secretary of the Interior, with the cooperation of the Secretary of Agriculture or otherwise, as in his judgment may be most advisable, to establish and maintain a patrol to prevent trespass and to guard against and check fires upon the lands involved in the case of the United States versus Oregon and California Railroad Company and others, suit numbered thirty-three hundred and forty, in the district court for the District of Oregon, now pending on appeal in the Supreme Court of the United States.		\$25,000.00	\$15,557.98
(19) For contribution to the Forest Service for construction of a bridge across the Narrows over the waters between Cass Lake and Pike Bay, in the Minnesota National Forest, Minnesota, upon condition that the local authorities, State or county, contribute \$10,000 toward the building of the same (<i>act June 12, 1917, vol. 40, p. 160, sec. 1</i>).		10,000.00	
[Carried in Army act.]			
(20) For the establishment and maintenance by the Weather Bureau of additional aerological stations, for observing, measuring and investigating atmospheric phenomena in the aid of aeronautics, including salaries, travel and other expenses in the city of Washington and elsewhere, \$100,000, to be expended under the direction of the Secretary of Agriculture (<i>act May 12, 1917, vol. 40, p. 43, sec. 1</i>).		100,000.00	
PRINTING AND BINDING.			
[Carried in sundry civil act.]			
(21) For the Department of Agriculture, including not to exceed \$47,000 for the Weather Bureau, and including the Annual Report of the Secretary of Agriculture, as required by the act approved January twelfth, eighteen hundred and ninety-five, and in pursuance of the joint resolution numbered thirteen, approved March thirtieth, nineteen hundred and six, and also including not to exceed \$200,000 for farmers' bulletins, which shall be adapted to the interests of the people of the different sections of the country, an equal proportion of four-fifths of which shall be delivered to or sent out under the addressed franks furnished by Senators, Representatives, and Delegates in Congress, as they shall direct.	\$650,000.00	650,000.00	600,000.00
Total	23,385,000.00	29,616,400.00	8,352,981.42

Total appropriations for the Department of Agriculture, including permanent annual appropriations, deficiency acts, special acts, and printing and binding under sundry civil act:

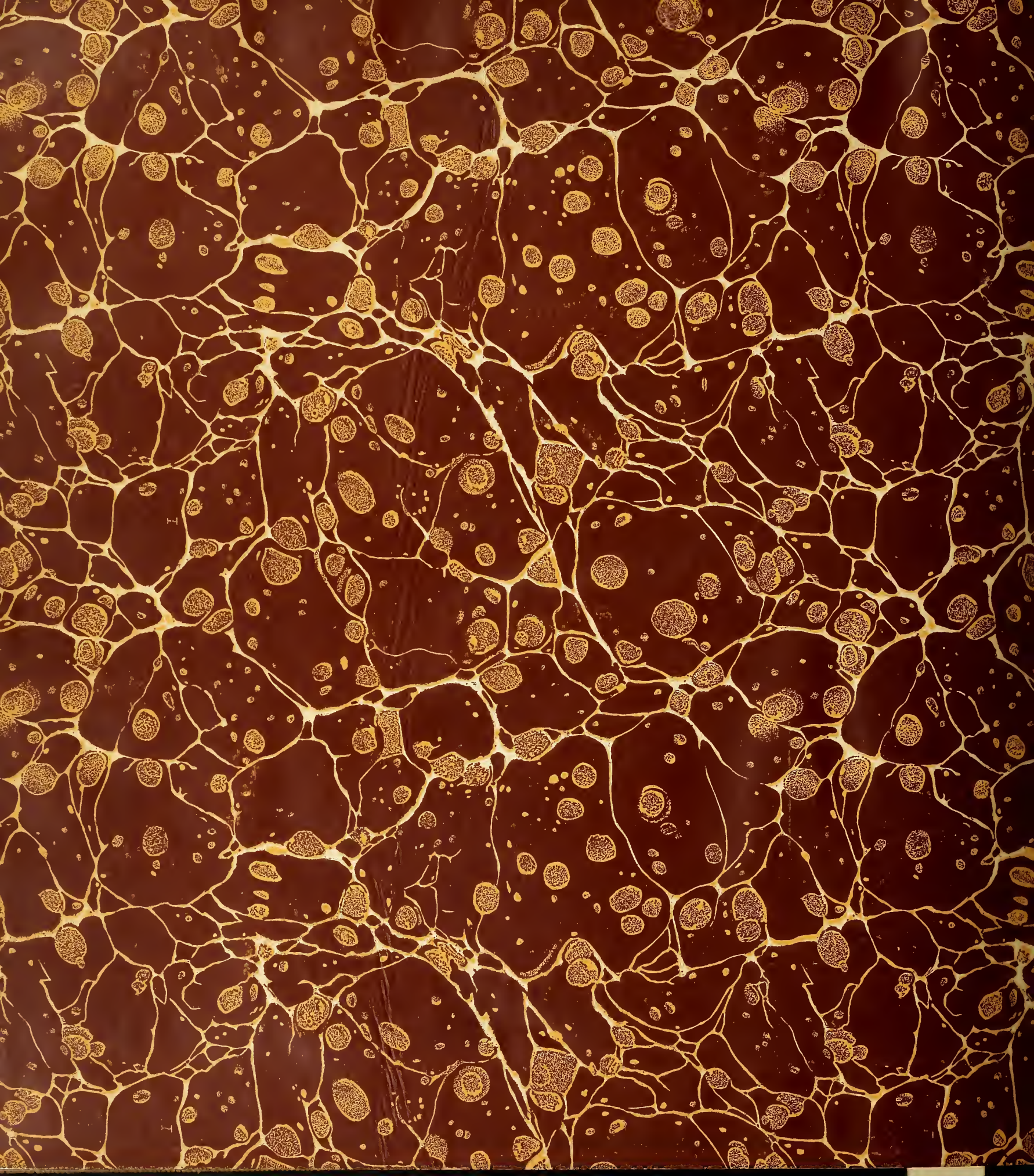
For the fiscal year—

1909	\$16,153,534.74
1910	17,115,410.35
1911	20,888,449.28
1912	22,402,301.11
1913	25,177,164.68
1914	24,449,824.37
1915	26,840,434.55
1916	29,019,703.98
1917	37,188,852.00
1918	57,545,513.00

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1	U.S. Dept. of Agriculture
AE87Fs	Estimates of ap
1918/19	Bindery
DEC 9 1918	SEP 2 1919
JAN 13 1919	JAN 27 1919
JAN 27 1919	JAN 27 1919

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some minor discoloration and faint, illegible markings near the top center. A vertical crease is visible on the left side, and the page is bound on the left edge, with visible stitching or binding material.

